ARTICLES

The
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JUNE 1 1957

KIRBY
OF LONDON
Pharmaceutical Manufacturers

OWN MATERIALS PROCESSED

SPECIAL FORMULÆ PREPARED

for

PILLS · TABLETS · CAPSULES

PESSARIES · SUPPOSITORIES · PENICILLIN PRODUCTS
OINTMENTS FOR THE EYE · SOFT GLYCERIN LOZENGES
STERILE PRODUCTS · SOLUTION TABLETS
PACKED PHARMACEUTICALS

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EST. 1866
Manufacturing Chemists
WILLESDEN GREEN, LONDON, N.W.2
Phone : Willesden 1146. Groms : Kirbilim, Norphone, London
Code : Bentley's (2nd)

e & Export
nquiries
Invited

Inability to take aspirin . . .

IT WAS RECENTLY reported (*Brit. Med. J.*, 1 : 444, 1957) that of 178 rheumatic patients, 25% could not take plain aspirin in adequate dosage.

Of this 25%, however, the great majority tolerated a modified aspirin such as Paynocil.

Not only are Paynocil tablets usually well tolerated by the stomach (even on the heavy dosage needed for rheumatoid arthritis), but they are extremely palatable, disintegrate instantly on the tongue without water, and cause no discomfort or unpleasant after-sensation.

. . . indicates PAYNOCIL

non-irritant, palatable, quick-dispersing aspirin

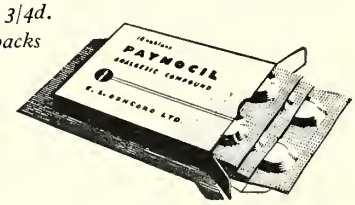
FOR ADULTS

PAYNOCIL

EACH TABLET CONTAINS

Acetylsalicylic acid ..... 10 grains
Aminoacetic acid..... 5 grains

PACKAGES in sealed foil strips: *Cartons of 18: Retail Price 3/4d.*
Dispensing packs of 240: Trade Price (tax free) 21/8d.



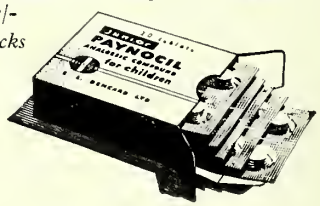
FOR CHILDREN

Junior PAYNOCIL

EACH TABLET CONTAINS

Acetylsalicylic acid ..... 2½ grains
Aminoacetic acid ..... 1¼ grains

PACKAGES in sealed foil strips: *Cartons of 20: Retail Price 2/-*
Dispensing packs of 240: Trade Price (tax free) 12/-

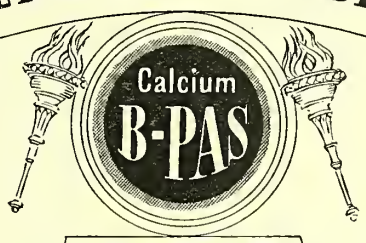


Detailed recommendations for dosage in rheumatoid arthritis will be gladly supplied on request

603 Ph./65(68)/1

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CHEMOTHERAPY OF TUBERCULOSIS



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B-PAS (Wander), 4-benzoylamino-2-hydroxybenzoate, first introduced by our Research Laboratories in 1948, is an acknowledged contribution to tuberculotherapy.

ADVANTAGES

CALCIUM B-PAS (Wander) is virtually insoluble.
It provides high blood levels of extended duration.
It is practically tasteless.
It is well tolerated and best suited for domiciliary use.

MULTIPLE PRESENTATION FOR COMBINED REGIMENS

CALCIUM B-PAS (Wander) is available as such in two convenient forms: Powder and Cachets. Content in each form is ranged so that the daily regimen is simplified. The 3.5 g. Powders taken with a draught of water or milk are especially acceptable. For combined regimens of B-PAS and INAH, 'B-PASINAH' Powders and Cachets according to preference supply the advantage of concurrent therapy in readily acceptable form which practically ensures the patient's co-operation in carrying out instructions.

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Powders: Tins of 150 and 500 x 3.5 g. envelopes
Cachets: „ „ 80 and 400 x 1.0 g.
Sodium B-PAS (Wander) also available in 1.5 g. Cachets

'B-PASINAH' (B-PAS plus Isoniazid)

Powders: Calcium B-PAS (Wander) 3.5 g.
Isoniazid ... ... 87.5 mg.
Tins of 150 and 500

Cachets: Calcium B-PAS (Wander) 1 g.
Isoniazid ... ... 25 mg.
Tins of 100 and 500

Price details of all forms of PAS from the Medical Dept.

PASINAH' Cachets of 1.5 g. Sodium PAS and 17, 25, 33 or 50 mg. Isoniazid also available.
Tins of 100 and 500.

All Wander tuberculostatic products are available from usual wholesalers or direct from

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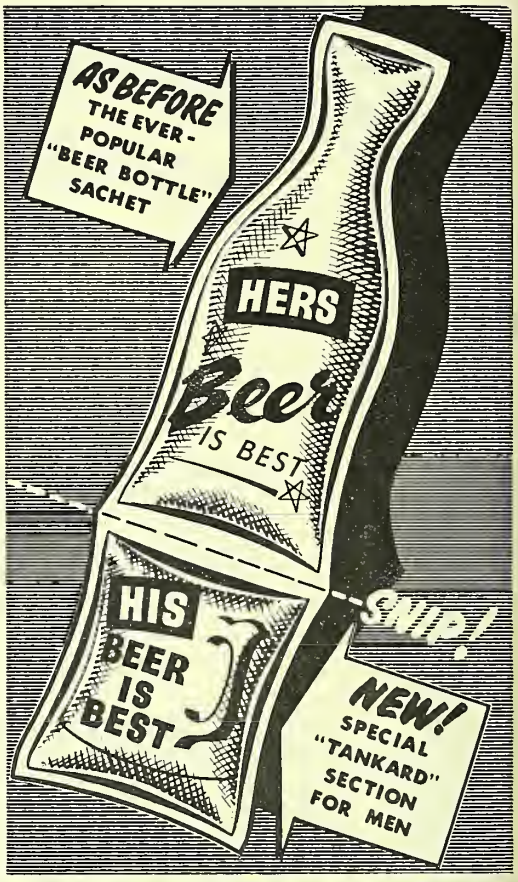
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T. 49



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A new, crystalline salt of high purity, stable and with definite physical characteristics.

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Immediate delivery from RANKIN BROTHERS & SONS

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OBTAINABLE FROM WHOLESALERS EVERYWHERE

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Pure California Lemon Juice

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Remember, SUNKIST is pure Lemon Juice at its best.

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(continued overleaf)

Advance news!

FROM 1st SEPTEMBER
Robinson's 'Patent' Barley and 'Patent' Groats will have a new pack

Improved techniques and packing materials have enabled Keen, Robinson to develop a new card pack for the ½-lb. size of Robinson's 'Patent' Barley & 'Patent' Groats. The new packs, which will be introduced from September 1st, are easier to stack and more attractive in display than the present tins; they will also take up less space.

Only ½-lb. packets will be available, and the prices will be unchanged. Until September 1st, orders will be met as far as stock allows with the present 1 lb. and ½-lb. tins.

KEEN, ROBINSON & CO LTD · CARROW WORKS · NORWICH

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NEW LI-LO plastic baby pants have all-welded seams



The pearl-white film is lanolin-impregnated—so soft and smooth for baby. LI-LO baby pants are washable, completely waterproof, non-staining **and hygienic** too!

New LI-LO baby pants are in elastic or open leg styles (large and medium sizes) and the famous LI-LO 'Snappifit' design. All three contain lanolin—and all bear the seal of the Good Housekeeping Institute. Every pair of LI-LO baby pants is individually packed in an attractive envelope; one dozen of a style and size to a counter display carton.

Popular LI-LO *Rubber baby pants in superfine white rubber sheeting are still available, in two styles—elastic or open leg, in large and medium sizes.*

Obtainable from your wholesaler, but should difficulties arise in obtaining supplies, write to us for your nearest distributor.

P B COW & CO LTD · 12 HAY HILL · BERKELEY SQUARE · LONDON · W1



COX

for counter sales that keep custom

Attractively packed.

Samples on application.

Display material available.

ARTHUR H. COX & CO. LTD

Manufacturing Chemists since 1839

BRIGHTON

Detensyl

Vegeto-Polyhormonic Hypotensor

The recognised treatment in conditions requiring the lowering of arterial tension

DETENSYL is another of the M.B.L. preparations which has been accepted by doctors in many countries. In various indications associated with blood pressure, regular administration restores normality. A small, periodic dosage is recommended for maintenance.

DETENSYL contains mistletoe, liver, pancreas and lung substances. More than a palliative, it re-educates the endocrine glands, allowing them to resume their regulation of the arterial tension.

MBL

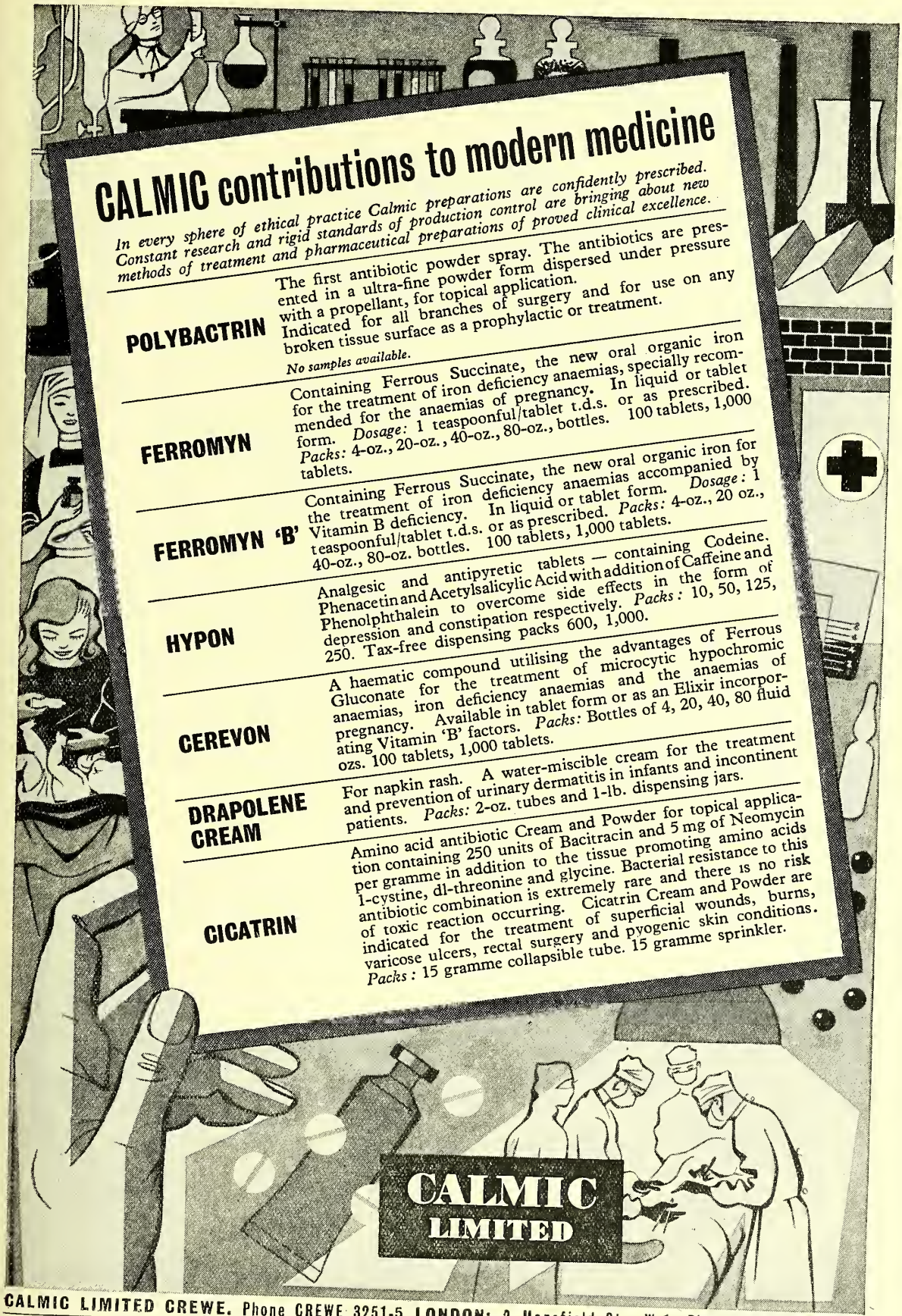
INDICATIONS

Conditions frequently associated with blood pressure, such as **Menopausal Disturbances, Arteriosclerosis, Sclerosis of the Kidneys, Persistent Cephalalgia, Arthritis and Auditory and Ocular Troubles,** respond to DETENSYL therapy and almost inevitably disappear with the lowering of arterial tension.

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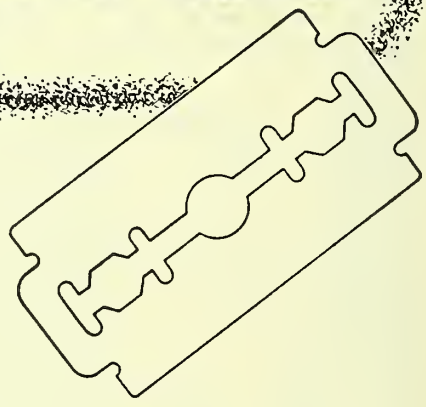
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B

THE STAINLESS

SWORD-EDGE



TRIPLE LIFE RAZOR BLADE IS CUTTING A BIG SALES FIGURE

The Sword-Edge blade is packed in an attractive dispenser with compartment for used blades, retailing at 2/6 for 5.

FITS ALL STANDARD DOUBLE EDGE RAZORS.

These attractive sales aids are available:—

SE.1 Attractive plastic counter display unit containing two dozen dispensers of 5 blades. Size 7″ x 6″.

SE.2 Colourful process mounted washable showcard. Size 12″ x 8″.

SE.3 Smaller edition of showcard. Size 6″ x 4″.

SE.4 Waterproof self-adhesive strip in colour for use on windows, showcases, mirrors, etc. Size per unit 12″ x 2″.

SE.5 Window sticker in colour, gummed and printed on both sides, for glass doors, windows, etc. Size 11″ x 8″.

★ These blades will be featured on the T.V. programme " Quick on the draw " presenting Gifts for Fathers, June 8th, from the Birmingham, Lancashire and Yorkshire stations. Be sure you are stocked up to meet the demand.

WILKINSON SWORD

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Bi-ki-ni

BIKINI—the tuneful name of summertan fame.

When the sun shines—
BIKINI "goes like a song"
It sells & sells & sells & sells.



9/6 per doz.
(gross lots 9/- per doz.)
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2/6 RETAIL

BIKINI'S the summertan **SUNTAN CREAM** in the gayest of packs — *With a clear shilling profit on every tube you sell!*

AYRTON, SAUNDERS & CO. LTD., LIVERPOOL.

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A convenient form in which to administer Aluminium Hydroxide treatment

• **DROXALIN** enables Aluminium Hydroxide to be administered in an exceptionally palatable form.

• **DROXALIN** tablets are smooth, pleasant-tasting and break down easily in the mouth. They are, therefore, completely acceptable to the gastric patient. The tablets are individually and hygienically sealed in sets of six.

Professional samples available on request

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- *Magnesium Trisilicate*



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Low Retail Price 1/7 per tube

And a good profit for you

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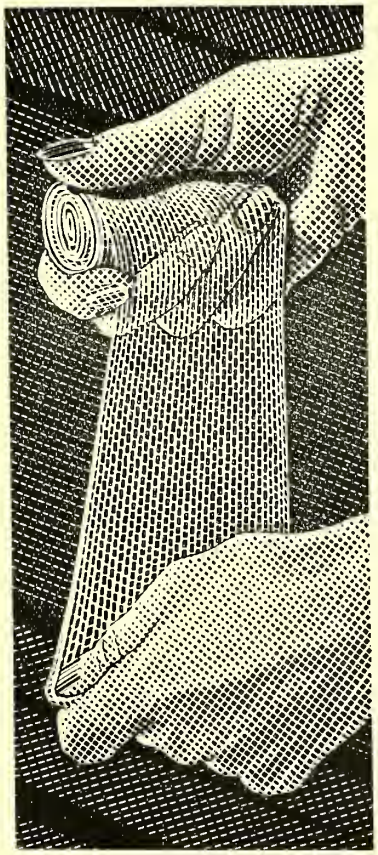
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Manufacturing Chemists

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Lastonet ELASTIC NET BANDAGES

LASTONET PRODUCTS LIMITED
CARN BREA, REDRUTH, CORNWALL

℗T3



Increasing numbers of Chemists sell

PETROLE HAHN

the remarkable French

HAIRDRESSING and TREATMENT

Distributed by

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PRICES

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Small size 26/3 per doz. plus 90% P.T.
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PETROLE HAHN is available from your usual Wholesaler or direct from:

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ZINC OXIDE B.P.

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Hay Fever **A**

* treated successfully with

Hydrocortisone Acetate
SNUFF CAPSULES

* for use in the Armour Insufflator

Reference:
LANCET i (1956) 537

Supplied as Hydrocortisone Acetate Insufflation Set, consisting of one Insufflator and 6 capsules each containing 15 mg. Hydrocortisone Acetate Snuff with inert substance. Also refills in bottles containing 6, 12 and 25 capsules.

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Please oil your cash register

TELEVISION CAMPAIGN FOR PLJ NATURAL UNPASTEURISED LEMON JUICE BREAKS JUNE 14 STOP LONDON MIDLAND AND NORTHERN AREAS STOP MAINLY PEAK TIME SCREENING STOP STILL TIME ORDER NECESSARY EXTRA STOCKS IF ACT NOW REPEAT ACT NOW

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Bismuth Subgallate

Bismuth Subnitrate

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etc. . . .

The above can be supplied in a wide range of packing to suit customers individual requirements.

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Potter's

introduce a *NEW* asthma preparation in tablet form.

Asthma sufferers today expect a form of relief that is immediate. Something that can be taken any time, anywhere. Potter & Clarke Ltd., whose name has so long been associated with asthma remedies, now introduce Potter's ANTASMA, a tablet preparation. This form of ON-THE-SPOT TREATMENT is the outcome of intense research and tests have shown it to be unusually quick and effective in its results. A sure seller, Potter's ANTASMA is sold in single phials or in a large economy carton holding three.

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Introductory BONUS TERMS through WHOLESALERS ONLY are available for an indefinite period. The bonus is based on MINIMUM QUANTITIES of 2 dozen cartons of the small size together with one dozen of the large size, packed in an attractive display outer.

ONE CARTON IN EVERY DOZEN FREE

PRICES	WHOLESALE	RETAIL
SMALL SIZE (1 phial—12 tablets)	14/3 per dozen plus P. Tax = 18/6	2/-
LARGE SIZE (3 phials—36 tablets)	36/- per dozen plus P. Tax = 46/9	5/-

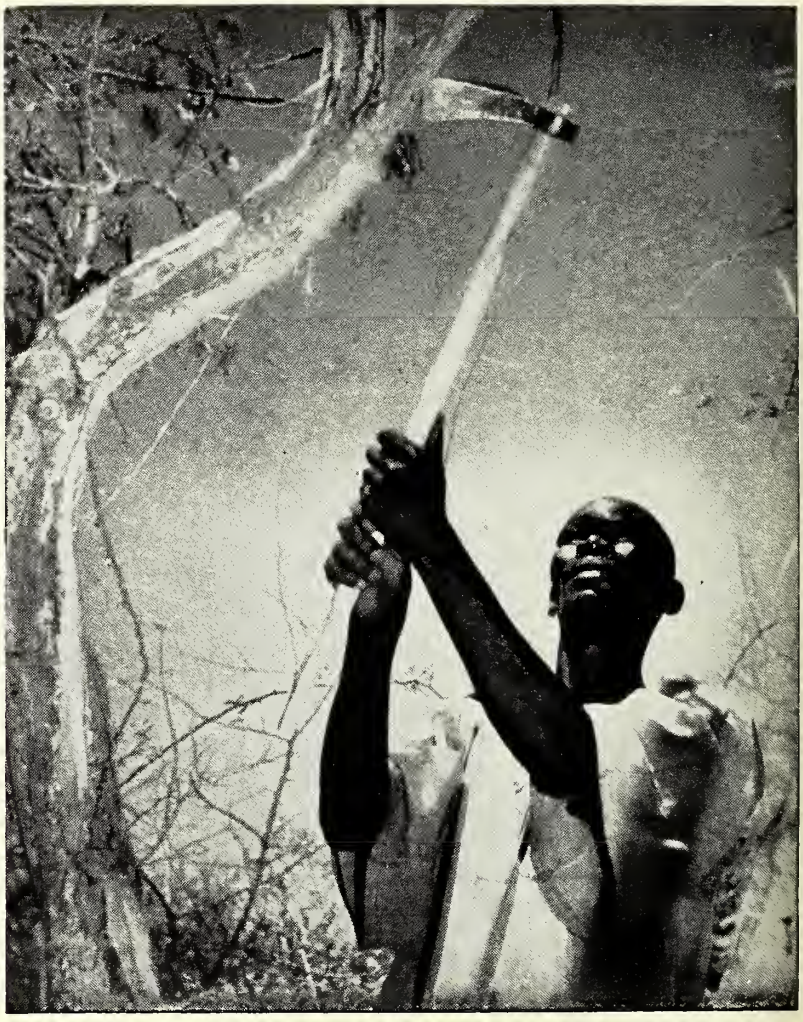
THROUGH WHOLESALERS *ONLY* PLEASE



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D

DETERGENTS AND THE SKIN

"We have found . . . that the incidence of skin trouble attributable to synthetic detergents is no higher than that previously due to the use of soap products, alkalis and allied preparations"

REPORT OF THE GOVERNMENT COMMITTEE ON SYNTHETIC DETERGENTS, 1956

THE VITAL ROLE OF DETERGENTS TO-DAY

SINCE THEIR introduction six years ago the new washing products, now generally known as "detergents," have revolutionised British household washing. This is because they give superior performance in hard water, leave clothes and dishes demonstrably cleaner, and leave no dulling film as soaps usually do.

Women have been quick to appreciate these advantages. Thus, while the first weekly wash detergent (Tide) only achieved national distribution in September 1952, detergents as a whole now account for more than half of the total washing powder market. They are in constant and regular use in practically every home in this country, and there is no evidence that they have yet reached the peak of their popularity.

Their effect on the skin

Thomas Hedley & Co. Limited, makers of Tide and other detergents, constantly test their washing products to determine their effect on the skin of housewives. In addition to every kind of accepted laboratory technique, such as patch and immersion tests, Hedley have conducted, under careful medical supervision, prolonged home usage tests. These were developed to obtain a reliable measure of the mildness of washing products under normal usage conditions in the home. Observations on over 12,000 housewives have shown that household detergents as a class do not differ in their effect on the skin from all-purpose soap powders, as a group, which have been used for years.

Specifically, research has shown that Tide, the most popular of the new detergents, is as mild as other conventional general-purpose soap powders.

Moreover, the results of the Hedley investigations disclosed that a washing product plays a much smaller part in determining the skin condition of the average housewife than does, for example, the coldness of the weather and the extent to which she uses hand cream.

The conclusions from these tests are fully in line with the Report of the Government Committee on Synthetic Detergents, 1956, which stated **"We have found . . . that the incidence of skin trouble attributable to synthetic detergents is no higher than that previously due to the use of soap products, alkalis and allied preparations."**

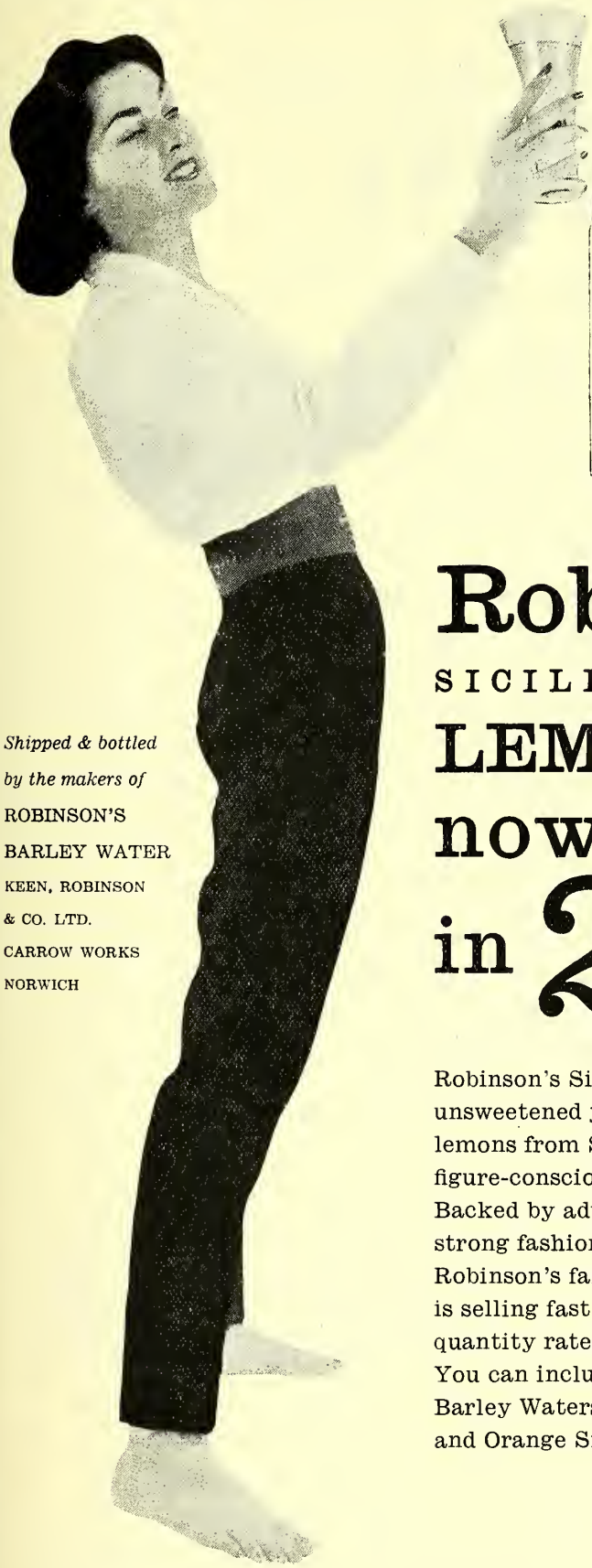
"A STUDY OF THE EFFECT OF THE NEW DETERGENTS ON THE SKIN"

This is the title of a booklet which describes a comprehensive research programme carried out under medical supervision to determine the effect of detergents on the skin. If you would like a copy, just fill in your name and address below and send this panel to Thomas Hedley & Co. Limited, Gosforth, Newcastle upon Tyne 3.

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Product	Size	Retail Price incl. P.T.	Trade Price per dozen ex. P.T.
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	Large	1/9	12/6
Eucryl Chlorophyll Tooth Powder	Small	1/3	9/–
	Large	1/9	12/6
Eucryl Denture Powder	Small	1/3	9/–
	Large	1/9	12/6
Eucryl Denture Brush (No Purchase Tax)		2/–	16/–
Dentiline Denture Cleaner		2/6	16/8
Dental Plate Fixative (No Purchase Tax)	Small	1/6	12/–
	Large	2/9	22/–
Luce's Lavender Talcum		2/–	10/–
Danad Vitamin Pearls (No Purchase Tax)		2/–	16/–
Sudex Senna Pods (No Purchase Tax)		1/3	10/–
Galloway's Cough Syrup	Small	1/9	12/6
	Medium	3/–	21/8
	Large	5/–	36/–
Galloway's Cough Pastilles		1/7	11/3
Galloway's Lung Syrup	Small	1/9	12/6
	Large	3/–	21/8
Julysia Hair Cream	Small	1/8	8/4
	Large	2/6	12/6
Foam Shampoo (Sachets) (3 dozen in each carton)		6d.	3/6

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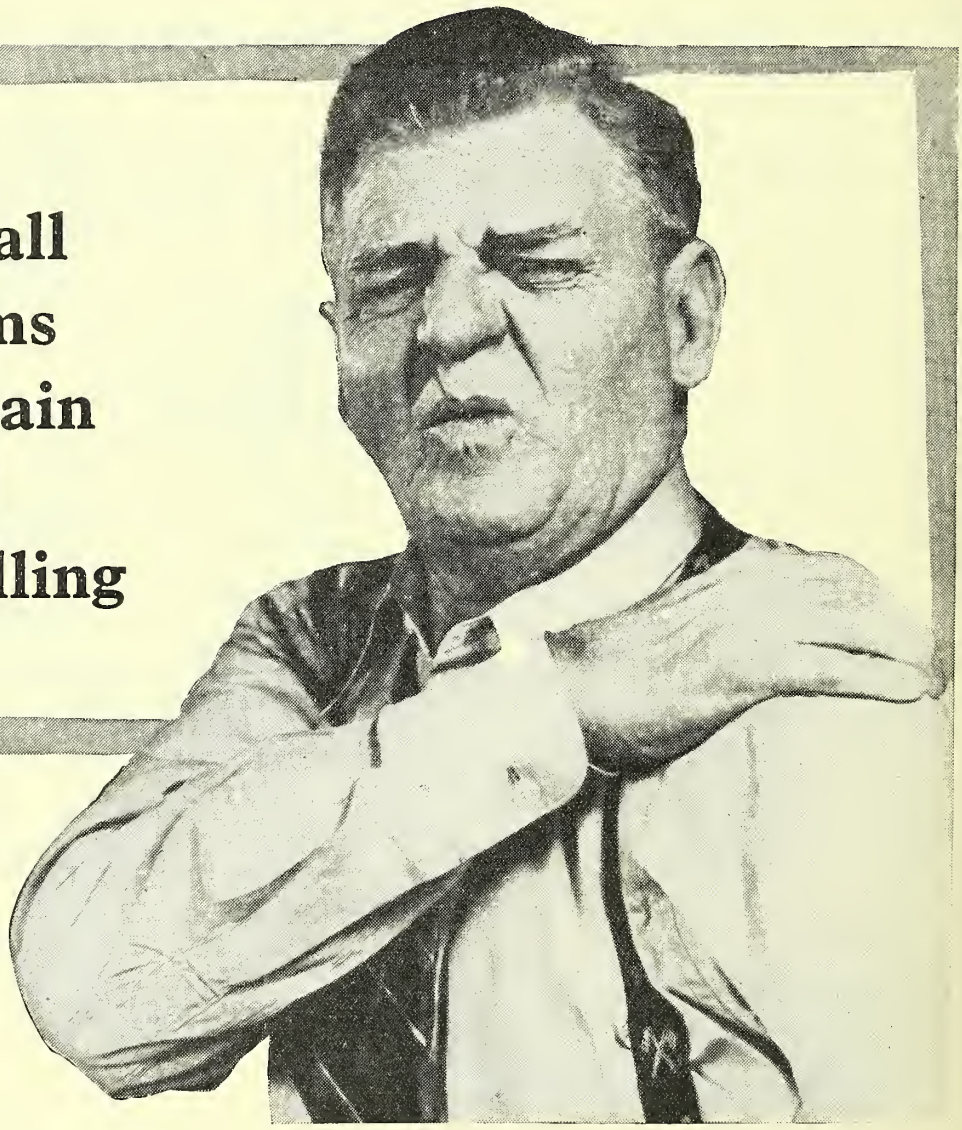
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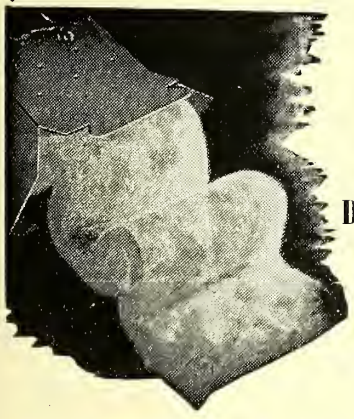
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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 167 June 1, 1957 No. 4032

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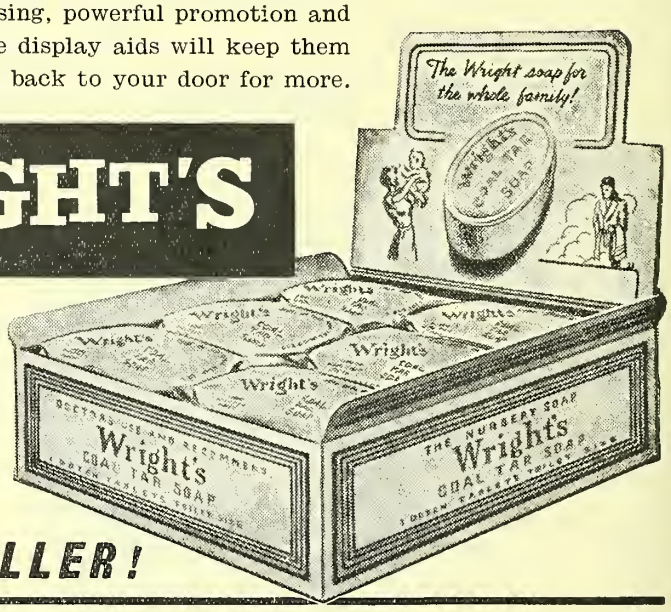
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The CHEMIST AND DRUGGIST

Volume 167 JUNE 1, 1957 No. 4032

Higher Fees for Truss-fitting

BACK-DATED TO MARCH 1956

INCREASED dispensing fees, varying from sixpence to 5s. 6d., for certain types of trusses are being paid with effect from March 1, 1956.

The new fees are:—

SPRING TRUSS (single), 10s. (2s. 6d. up). (double), 15s. 6d. (5s. 6d. up).

ELASTIC BAND TRUSS (single), 4s. 6d. (6d. up); (double), 6s. (1s. up).

Pricing on the revised basis commences with prescriptions for May 1957. Arrangements for the assessment and payment of arrears for the months March 1956 to April 1957 have not yet been agreed. In the absence of records of the separate types of trusses supplied before May 1, 1957, it may be necessary for the arrears to be assessed on a basis which reflects the national prescribing frequencies of the four types of trusses affected by the fee increases and not the prescribing frequencies experienced by the individual contractor. In the meantime the Joint Pricing Committee has been asked to give each Executive Council details of the total number of prescriptions for trusses supplied by each chemist contractor (including suppliers of appliances) for the periods March 1956, to December 1956 (inclusive), January 1957, and February 1957, to April 1957 (inclusive).

Approved Names

SUPPLEMENTARY LIST

THE following supplementary list of approved names is issued by the British Pharmacopœia Commission:—

APPROVED NAME	OTHER NAMES
Amisometradine	6 - Amino - 1 - methallyl-3 methylpyrimidine-2:4 - dione; Rolicton
Florantyrone	γ - Fluoranthen - 8 - yl - γ - oxobutyric acid; Zanchol
Halothane	2 - Bromo - 2 - chloro - 1:1:1-trifluoroethane; Fluothane
Norethandrolone	17α-Ethyl-17-hydroxy-19-norandrost - 4 - en - 3-one; Nilevar
Pentacynium	4 - {2 - [*N* - (5 - Cyano-5:5-diphenylpentyl)-*N*-methylamino] ethyl} morpholine dimethochloride; Presidal
Prochlorperazine	1 - [3 - (2 - Chloro - 10 - phenothiazinyl) propyl] - 4 - methylpiperazine; Compazine; Stemetil
Tolpronine	1 - (1:2:3:6 - Tetrahydropyridino) - 3 - *o* - tolyloxypropan-2-ol; Proponesin is the hydrochloride

Shipping Freights

SUEZ SURCHARGE REDUCED

FURTHER reductions on freight surcharges were announced on May 27 as a result of the easing of the Suez Canal situation. The lines constituting the Outward United Kingdom and Continental Conferences to India, Pakistan and Colombo announced that the surcharge of 10 per cent. is reduced to 5 per cent. The reduction, which remains subject to alteration without notice, applies to shipments, whether already on board or not, by all vessels loading as from that date. A similar reduction is being applied in the homeward trades from India and Pakistan to Britain and the Continent. The lines concerned reduced the surcharge from 17½ per cent. to 10 per cent. a fortnight previously. Others to cut the surcharge from 10 per cent. to 5 per cent. are the East African Conference lines (outward and homeward) and the Conference lines that are concerned with the loading outward to Port Sudan.

Poliomyelitis Vaccine

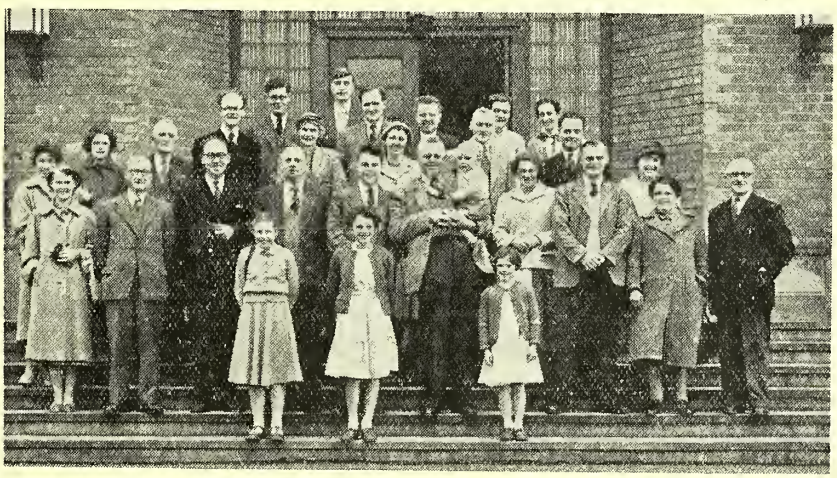
ARGUMENT FOR IMPORT FROM U.S.A.?

A LEADING article in the *British Medical Journal*, dated May 25, comments that "there is certainly a strong argument for importing the best brands of American [poliomyelitis] vaccine" into England. It is suggested that perhaps the main reason why the Government have not yet ordered American vaccine to supplement the British product is that it does not receive the same warranty for its safety as the British product gets from the Medical Research Council. It is pointed out that since American safety regulations were tightened about 100 million injections have been given in the United States without serious misadventure. A second reason for caution in importing American vaccine is that the potency of different products of different manufacturers varies, and it would therefore be necessary to specify which brands were wanted here.

Abuse of Tranquillisers

NARCOTICS COMMISSION'S WARNING

THE United Nations Commission on Narcotic Drugs recently unanimously recommended that governments should take appropriate measures to prevent the abuse of barbiturates, and "keep a careful watch for any abuse" of tranquillisers. The Commission's resolution emphasises that certain ataraxic drugs are "potentially habit-forming." In addition, the Commission, which has been meeting at United Nations headquarters in New York since April 29,



WIGHT CHEMISTS' WORKS VISIT: Members of the Isle of Wight Branch of the Pharmaceutical Society photographed at the Horsham factory of Ciba Laboratories, Ltd., during the first excursion of the Branch outside the island. In the centre (holding his youngest son) is the branch chairman (Mr. C. E. Fry). Also in the group is the secretary (Mr. W. P. Hogan). Two pharmacist members of the company's staff (Messrs. Briggs and Message) showed the party round the buildings and laboratories and appear in the picture.

has also begun a review of technical assistance in the field of narcotics control. One specific request is for assistance to Iran, which in 1955 introduced legislation for the suppression of opium cultivation. Because Iran had been one of the main opium-producing countries, and farmers in some areas had depended mainly on income from the poppy plant crop, the government had requested assistance to carry out the control programme. The technical assistance board has allocated funds totalling $86,500 for 1957 aid to Iran, following an exploratory mission to that country.

Copyright Act

RULES AND REGULATIONS MADE

UNDER the Copyright (Industrial Designs) Rules, 1957 (S.I., 1957, No. 867), which come into operation on June 1, the marketing of goods to which a design has been applied industrially deprives that design of some of the protection it enjoys as an artistic work under the Copyright Act, 1956. The Rules define the circumstances in which designs are to be taken to be applied industrially. The Copyright (Libraries) Regulations, 1957 (S.I., 1957, No. 868) prescribe the classes of library entitled to the exemption provided for in the Copyright Act, 1956, with regard to the making of copies of copyright works for the purpose of research or private study or for the purpose of supplying other libraries. Libraries established or conducted for profit may not make copies except for supply to other libraries. The Copyright (Notice of Publication) Regulations, 1957 (S.I., 1957, No. 865) prescribe the manner in which persons intending to publish old copyright works preserved in archives are to give notice of their intention if they do not know the identity of the copyright owner. Copies of the Statutory Instruments are obtainable from H.M. Stationery Office, price threepence each.

Public Pharmacists

ANNUAL MEETING AT EDINBURGH

THE annual meeting of the Guild of Public Pharmacists was held at York Place, Edinburgh, on May 25 and was followed by a dinner arranged by the Edinburgh Branch. Guests at the dinner were Mr. H. Campbell (head of the pharmacy department, Heriot-Watt College), Mr. J. B. Grosset (vice-chairman of the Scottish Executive) and Dr. D. McCall (resident secretary of the Pharmaceutical Society in Scotland). The council of the Guild for 1957–58 is as follows:—Misses E. P. Button, E. M. Hirst, and M. C. Islip, Messrs. J. W. B. Fish, E. J. Fitchett, P. J. Fowler, H. Gibbor, H. S. Grainger, A. M. Mills, W. Mott, J. A. Myers, S. Powlson, C. H. Preston Robinson, F. W. Sambidge, D. F. Smith and W. G. Smith. Officers are being appointed on June 15

A Live Civic Pride

TRIBUTE TO PHARMACISTS

A VALUABLE addition to Halifax's collection of civic plate was an inscribed silver rose bowl presented by the Halifax Branch of the Pharmaceutical Society on May 20. Making the presentation in the mayor's parlour, Mr. S. Thornton, M.P.S. (chairman of the Halifax Branch of the Society) said that the gift was to mark the term of office and recognition of the services as mayor of Alderman F. H. Swire, M.P.S. Since Alderman Swire had first pointed out the town's lack of plate worthy of civic occasions, he had received a number of gifts including a pair of candelabra from the East and West Riding Area Command of the Army and a silver salver from the Halifax Soroptimist Club. Now the local branch of the Pharmaceutical Society wished to make their contribution. In his reply Alderman Swire said that although their time for outside interests such as local government was limited, it was obvious that pharmacists had a very live civic pride. As a member of the pharmaceutical profession he was particularly pleased to be able to say so.

Jewish Pharmacy Group

FIRST DINNER AND BALL

THE first dinner-ball of the pharmaceutical group, Friends of the Hebrew University of Jerusalem, is being held at the Washington hotel, Curzon Street. London, W.1, on June 23. Tickets (52s. 6d. each) are available from Dr. A. Anisfeld, 34 High Road, Willesden. London, N.W.2. The first issue of the group's stencilled journal *Pharmacy Newsletter* was published recently. It contains news of an appeal for recent editions of pharmaceutical text-books for a proposed pharmacy library in the University.

IRISH NEWS

THE REPUBLIC

Irish Drug Association

REPRESENTATIONS ON FAIR TRADE

THE committee of the Irish Drug Association has submitted a memorandum to the Minister for Industry and Commerce about the Fair Trade Commission's inquiry into the supply and distribution of chemists' goods. The committee has requested the Minister not to make any order which might alter the *status quo* in pharmacy, even if the Commission recommend that certain changes should be made. It is also suggested that members of the I.D.A. should be allowed to operate resale price maintenance in conjunction with manufacturers, and also to operate a confined list of chemists' goods, etc., as was done for many years. The committee is urging I.D.A. members to complete as accurately as possible a *questionnaire* issued by the Central Statistics Office for the Census of Distribution 1956. The terms of reference of the Commission on Income Tax were considered and also the public inquiry by the prices advisory body into the prices of glass containers and sugar. The employment by ethical manufacturers and wholesalers of non-qualified representatives is objectionable to many members and the committee is notifying manufacturers and wholesalers of that observation. The annual meeting of the Association is being held on June 24. The following have been elected members of the Association:—Miss C. E. Larkin, M.P.S.I., The Pharmacy, Blackrock, Cork; Mr. T. F. X. Corbett, L.P.S.I., The Square, Newmarket-on-Fergus, co. Clare; Miss M. O'Donoghue, M.P.S.I., Ardfallen Pharmacy, Douglas, co. Cork; Mr. M. J. O'Donoghue, M.P.S.I., Newtown Park Pharmacy, Blackrock, co. Dublin; and Mr. P. Walker, L.P.S.I., Enfield, co. Meath.

Dinner in Donegal

"UNITE FOR A FAIR DEAL" SUGGESTION

SPEAKING at the annual dinner of Donegal Chemists' Association at Ballybofey, on May 5, MR. P. F. MCGRATH (president, Pharmaceutical Society of Ireland) urged the uniting of the pharmaceutical, medical, dental and nursing professions to get "a fair deal." Earlier, MR. V. MCELWEE (chairman of the Association) had proposed the toast to the president of the Association. He described Mr. McGrath as a fearless worker in the cause of pharmacy who was imbued with the task of raising the educational status so that when reciprocity with the British qualification came, Irish students would be able to enter pharmaceutical fields previously closed to them. MR. MCGRATH, after referring to the attendance of members of the medical, dental and nursing professions, said he thought that it was time for them to get together. They had a lot in common and united they could do a fair amount at least to get a fair deal for their professions. There had already been an approach for an association of all those professions. The toast to the Irish Drug Association was proposed by MR. J. BRADY (treasurer of the Donegal Association) and MR. G. C. O'NEILL (a former president of the I.D.A.) responded.

Wexford Pharmacists

ANNUAL MEETING

THE annual meeting of County Wexford Pharmaceutical Association was held in Enniscorthy on May 8. Apologies for absence were received from Mr. B. M. Smith (secretary, Irish Drug Association) and Mr. J. G. Coleman (registrar, Pharmaceutical Society of Ireland). The officers were re-elected; Mr. McCauley declined the chairmanship. A letter from Mr. Smith about regional meetings of associations with members of the committee of the I.D.A. met with the approval of the meeting and some expressed the opinion that by such conferences the viewpoint of country members would be better presented. Indiscriminate distribution of certain products and small margins of profit on dressings were discussed. A suggestion that Imperial Chemical Industries, Ltd., pharmaceutical division, should be asked to do shows of Savlon antiseptic and Bayer Products, Ltd., of Roccal antiseptic in various centres, to counteract the sales of non-confined preparations, was debated at length. A welcome was extended to the Irish Chemists' Golfing Society on their visit to Rosslare on May 26.

NEWS IN BRIEF

SIR Harold Gillett has been re-elected *Chairman* of London chamber of commerce.

A FESTIVAL of Films in the Service of Industry is being held at Harrogate, Yorks, October 8–12.

SALES of Walsall Co-operative Chemists, Ltd., in the half-year ended March 18 totalled £62,563.

BRANCH Representatives' meeting. — The Staffordshire motion on the testing of dressings was wrongly reported in last week's issue as having been carried (see *C. & D.*, May 25, p. 565). The motion was lost.

A REVISED British Standard (B.S. No. 1739, 1957) for filter flasks, has been introduced. Copies of the Standard are obtainable from the British Standards Institution, 2 Park Street, London, W.1, price 3s.

THE last British Industries Fair in its present form had probably been held, said Mr. E. M. Clayson (chairman of this year's fair executive committee) in Birmingham on May 20. Discussions on the whole future of the fair were now pending.

AT the annual meeting of the British Seamless Rubber and Plastics Manufacturers' Association on May 16, the following officers were re-elected: *Chairman*, Mr. S. D. Sutton (Veedip, Ltd.); *Vice-chairman*, Mr. A. R. Reid (London Rubber Co., Ltd.).

THE rate of drawback allowable in respect of Customs duty paid on certain solid potassium hydroxide used in the manufacture of exported potassium ethyl xanthate and potassium amyl xanthate is being increased from 4s. to 5s. per cwt. on June 1.

OFFICERS of the Institute of Packaging elected recently are: *President*, Lord Luke of Pavenham (chairman, Bovril, Ltd.); *Chairman*, Mr. John Castle (sales development manager, Bowater-Eburite, Ltd.); *Vice-chairman*, Mr. V. Gordon-Saker (chairman, Reads, Ltd.).

A SPECIAL London University lecture in pathology is being given on "Recent Developments in Diagnosis and Treatment of Human Brucellosis" by Dr. M. Ruiz Castañeda at the London School of Hygiene and Tropical Medicine, Gower Street, London, W.C.1, at 5.30 p.m. on June 4.

IF one man were to consume the 11,000,000 prescriptions dispensed in Renfrewshire under the National Health Service he would need to swallow day and night for 1,883 years, said Mr. T. Hunter (chairman, Renfrew Executive Council) submitting his annual report on May 16. About 356,000,000 teaspoonfuls of medicine and 300,000,000 pills would have to be taken.

SPORT

Golf. — MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, at Manchester golf club, Hopwood Park, recently. *President's (J. A. Collins') prize*, A. Whitewright and A. McGregor (tie), 72.

LONDON CHEMISTS' GOLFING SOCIETY, at Highgate golf club, on May 23. *Morny prize*, G. T. Morson (11), 72; *4711 prize*, G. Penman (11), 4 down on bogey; *D. & W. Gibbs tankard*, B. F. Tisdall (11), 74. *Other leading scorer*, G. Bremner, 75.

TOPICAL REFLECTIONS

By Xrayser

Unification

The plea for unification so eloquently voiced by Mr. F. Murley at the meeting of Branch Representatives (p. 566) had a sympathetic hearing, and the members have placed the responsibility on their Council of trying to find an answer. Difficulties there are, many of them due to wrong decisions taken in pharmacy over the years. We all know now that the Acts should never have been framed to allow the large-scale growth of multiple trading in a profession such as ours. The Council may find in its path obstacles occasioned by the Jenkin case of many years ago, but I think it is time to explore the whole situation brought about by Jenkin—not with a view to a strict observance, but to see whether the legislation is, in fact, as hampering as is generally made out. The time may have come when the restrictions of Jenkin should be subject to a rigorous and searching analysis.

Apathy

One has grown accustomed to the application of the term "apathetic" to the body of pharmacy in so far as it responds (or fails to respond) to the stimulus provided by the Pharmaceutical Society and its branches. The same epithet has been much used in connection with that majority which omits to register either its approval or disapproval of those who put themselves up for election to the Council of the Society, and, for aught we know, they may be numbered amongst the absentees at the polling-booth in Parliamentary and borough elections. To my astonishment, I learn from a paragraph on p. 556 that the golf section of the Romford Branch of the Pharmaceutical Society may have to be disbanded unless more interest is shown. Of all the emotions aroused by golf, surely apathy must be the last — if indeed apathy can properly be described as an emotion. I have witnessed joy, envy, humiliation, fury and purple passion on the links — but the difficulty at Romford appears to be to get the people on to the links where they may, without attracting attention to themselves, indulge in the feelings above mentioned. Perhaps if Romford were to alter the layout, so that the nineteenth hole became the first, apathy would be dissolved at once.

Ethical Conduct

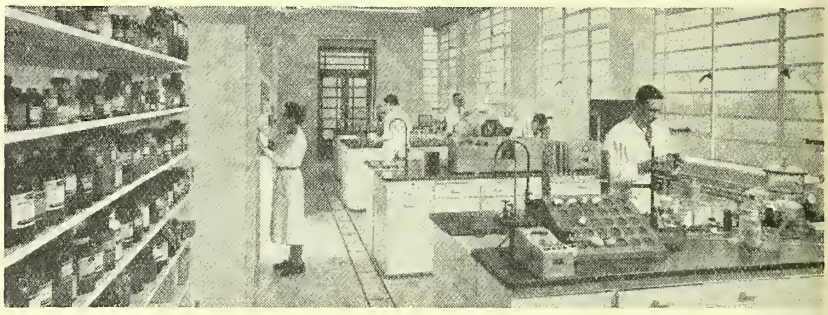
Resolutions submitted at the Branch Representatives' meeting generally have some relation to current events, and to that extent a study of the reports of those meetings over the years gives a picture of the general situation in pharmacy. Some of the resolutions appear with a regularity which suggests that certain matters are a perpetual running sore, while others derive from the immediate needs of the moment. Into the latter category comes the resolution from Worcester (p. 565) passed at the recently held meeting: "That it is of the opinion that recent Government legislation concerning National Health prescription charges has tended to make practically impossible the honouring of Clause 15 of the Society's code of ethics," etc. Clause 15, it will be remembered, says that prescriptions must not be discussed with patients in such a manner as to impair confidence in the prescriber. It is of great interest, as an indication of the topical nature of the resolution, that the point was raised in a debate on the shilling levy in the House of Commons four days later. On the latter occasion it was discussed not by a pharmacist, as might have been expected, but by a doctor. Dr. J. Dickson Mabon said that he had seen in the back of a chemist's shop EC10 forms bearing four items, three of which had been scored out because the person concerned was unable to pay the extra three shillings. "Should a chemist assist a patient in discounting medicines prescribed by a doctor?", asked the speaker (p. 560). "What was the ethical position of pharmacists in consequence of that?" The question Dr. Mabon asks should read, not "Should a chemist assist a patient?", but "Should a chemist be put into the invidious position of being asked to assist," etc. Worcester deserves the thanks of pharmacy, and the Branch Representatives showed their grasp of the subject of ethics.

EXTENSIONS TO A CAPSULE PLANT

Output now ten millions daily

A NEW capsule factory of R. P. Scherer, Ltd., was formally opened on April 30. The new factory is a big extension to existing premises and is an impressive indication of the success of the Scherer organisation and the capsule-making industry. Among those present at the ceremony which was performed by Mr. Kenneth Horne (the well-known broadcaster) were Dr. Harold Davis (chief pharmacist, Ministry of Health) and Mr. T. D. Whittet (chief pharmacist, University College Hospital, London).



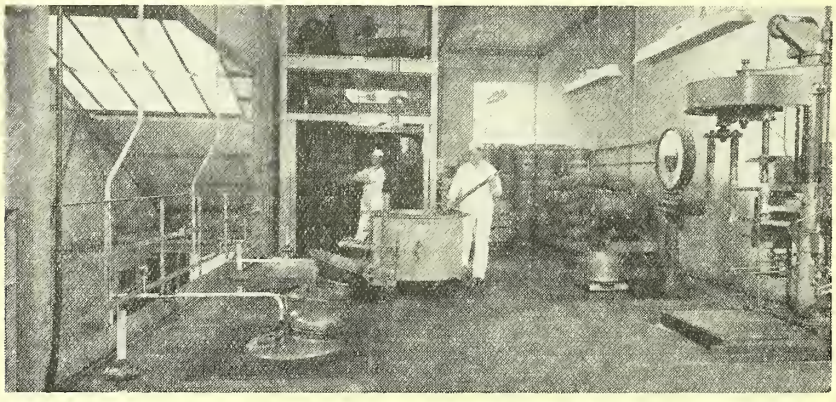


Above, façade of premises, the new portion of which is seen to the left; below, one of the new control laboratories.

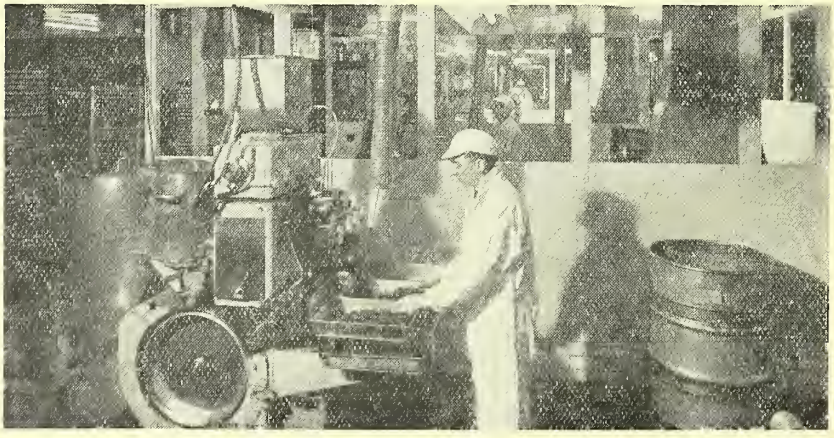
Distribution of Sections

The factory fronts the Bath Road, Slough—the west side of the facade, protruding slightly from the original building line, shows the extension. Production and administrative departments lead off from the imposing, terrazzo-floored vestibule with its light-catching windows. The original premises now contain the store-room, canteen, and packing section, and the boiler room has been extended to accommodate new oil-burning boilers to cope with the increased capacities of the plant.

R. P. Scherer, Ltd., claim that the factory is the most modern gelatin capsule plant outside America. The twenty rotary die machines installed can produce a total average daily output of 10,000,000 capsules, of varying shapes and sizes, and it is possible to increase that figure by 50 per cent. when small capsules are being produced. There is capacity for further machines to increase that prodigious output.



In the mixing department (seen above) the gelatin is heated to a liquid state in the large tanks set in the floor and extending into the gelatin preparation department the floor below, whence the liquid may be drawn off. Below, the encapsulation department in which are the rotary die machines.



Meticulous planning is evident throughout the plant, and hygiene is naturally considered of the utmost importance. In the men's toilets, shower baths and the latest-type of wash basins with water flow controlled by foot-bars are installed. Paper towels are used as a further safeguard against contagion.

A large lithium chloride continuous air-conditioning plant controls temperature and humidity in the necessary parts of the production sections, and temperature recordings in those parts may be obtained in the air-conditioning plant room simply by pressing a button. Being a natural substance, gelatin is susceptible to wide variations in quality and in addition to normal tests for chemical purity deliveries are carefully examined for, among other things, variation in viscosity and tensile strength. The latest addition in laboratory accommodation has been for microbiological assay of vitamins and antibiotics.

Until comparatively recently almost the whole of the factory's output has been devoted to pharmaceutical products. All the vitamin A and D capsules used for United Nations relief work are produced, packed and shipped from the Slough plant. Now, such products as machine oils, insecticides, adhesives, and lemon oil can be encapsulated, and R. P. Scherer, Ltd., confidently predict that shampoos, sun-tan oils, and perfume may all be on the market in capsule form in the near future.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. DENNIS VOSPER (Minister of Health) told MR. A. BLENKINSOP, in a written answer on May 22, that the average cost per prescription dispensed in England and Wales in February was 5s. 7·87d. Complete figures for March were not yet available, but it was estimated from a sample that the average cost was about three-farthings more than in February.

Design of Shop Premises

MR. H. BROOKE (Minister of Housing and Local Government) told MR. F. BESWICK on May 21 that he would consider the question of providing warehouse space for shops on new housing estates.

Monopolies Commission and N.P.U.

MR. M. ORBACH asked the President of the Board of Trade on May 23 whether he was aware that it was a condition of membership of the National Pharmaceutical Union that applicants in retail, wholesale or manufacturing, should be members of the Proprietary Articles Trade Association; and if he would ask the Monopolies Commission to make an inquiry on the matter and report to him. MR. DEREK WALKER-SMITH (Minister of State, Board of Trade) said that the President was not so aware; but if such a condition did exist, it would not be a matter on which a reference to the Commission could be based. MR. ORBACH: Surely this organisation, which is recognised by the Board of Trade, and with which the Ministry of Health has dealings, ought not to lay down a condition that applicants should, in the first place, join a price-fixing organisation? Surely that fact ought to be referred to the Monopolies Commission? MR. WALKER-SMITH: No, Sir. Section 3 of the 1948 Act shows that this condition, taken by itself, does not constitute a case for reference to the Monopolies Commission. Price-fixing agreements, as I am sure Mr. Orbach is aware, are not in any event a matter for the Commission, but one for the Restrictive Practices Court. SIR H. LINSTEAD: Is it not a fact that all that happens is that, for convenience, the two subscriptions can be paid together, and that, if any member of the Union does not desire to be a member of the Association, that can be arranged?

Finance Bill

During the Committee stage of the Finance Bill on May 23, MR. C. L. HALE said that, although every Member understood the necessity for Clause 5 of the Bill (duties and drawbacks on composite goods) and understood that if there were a combined material such as a hair oil which consisted of 99 per cent. alcohol, one had to do something about it, because otherwise a lot of hair oil would have that alcoholic content. To what extent were Statutory Instruments passed in accordance with that Clause to provide for the special measure of collecting combined taxes? MR. J. ENOCH POWELL (Financial Secretary to the Treasury) said that the purpose of the Clause and the Second Schedule was to bring that procedure into force for the first time for a whole range of goods but it was already in force in respect to sugar. MR. POWELL told MR. H. WILSON that there was no question of the Clause or the Schedule introducing a new taxation system otherwise than by the express authority of the House of Commons, or introducing a change of taxation otherwise than by that authority. It was true that a change in the taxation system, a minor but useful change, was embodied in the Second Schedule, but the Schedule was given its effect by the Bill. The Clause was ordered to stand part of the Bill.

Purchase Tax

During the committee stage of the Finance Bill on May 28, MR. A. E. COOPER said that so long as purchase tax was continued there would be anomalies. The system was riddled with them. If the Chancellor would indicate that there was a movement to replace it by a sales tax the House would accept purchase tax for another year.

MR. V. J. COLLINS, protesting against a 96-p. booklet relating to the tax issued by the authorities, said it caused trouble and frustration to those in the industries concerned. Managements wasted hours trying to run their businesses under such handicaps.

MR. DOUGLAS JAY said that there were now seven different rates, compared with the three to which the Labour Government managed to streamline the tax in 1948. It was that multiplicity of rates which gave rise to the confusion and anomalies. The Opposition wanted to simplify the tax, to get rid of the fantastic complications, and to work towards exempting altogether a large range of goods which entered into the cost of living. The tax had become burdensome and illogical.

MR. D. W. WADE asked the Chancellor to indicate whether he had any definite policy about the timing of purchase tax changes. It would be helpful to know what that policy was. The only ultimate policy was to abolish the tax.

MR. R. H. JENKINS asked if the Chancellor wanted to move towards a sales tax. The Opposition understood that was the Government's general desire, but for the first time there were seven different rates of tax which might be regarded as moving as far away from a sales tax as it was possible to go. It would be a tax the Opposition would be most unlikely to welcome. On the whole it was less desirable than purchase tax.

MR. P. THORNEYCROFT (Chancellor of the Exchequer) said that, faced with either simplification or reduction of purchase tax, he preferred to reduce the tax even if it involved some new rate. The existence of power to make purchase tax changes by order was a good thing because it avoided concentrating thought about purchase tax to the three months before a Budget.

CENTRAL HEALTH SERVICES COUNCIL

Annual report deals with vitamins in welfare foods

IN his introduction to the report of the Central Health Services Council for 1956 Mr. Dennis Vosper (Minister of Health) states that consultations have begun with the Ministry of Agriculture, Fisheries and Food to bring into effect the recommendations of the joint subcommittee of the English and Scottish Advisory Committees on Welfare Foods that there should be a reduction in the vitamin D content of national dried milk, welfare cod-liver oil and infants' cereals. Discussions have also been opened with the manufacturers of infants' cereals.

In the body of the report it is stated that the welfare foods subcommittee has concluded that the present level of fortification of welfare foods by vitamin D should be reduced so as to minimise the risk of causing hypercalcaemia while still continuing to provide protection against rickets. Infant cereals should have a reduced level of vitamin D so as to provide that a child of nine months taking the recommended amount of a cereal would receive 200–400 international units of vitamin D daily. Assuming that those recommendations were implemented the subcommittee further advised that national cod-liver oil should contain an average of 100 i.u. per gm. and national dried milk an average of 90–100 i.u. per dry oz.

The Standing Dental Advisory Committee has suggested to the Minister of Health that he should incorporate in the advice on oral hygiene that he gives to the public from time to time reference to the dangers of accepting unsubstantiated claims for dentifrices.

The Standing Pharmaceutical Advisory Committee did not meet during 1956, but its representatives continued their work on the Joint Committee on the Custody and Issue of Dangerous Drugs and Poisons in Hospitals. That Committee met thirteen times during the year and completed its task in December 1956. Its report was expected to become available to the Council at its first meeting in 1957.

The Standing Joint Committee on the Classification of Proprietary Preparations met four times during the year. Approximately 400 new products were classified during the year. The total number of preparations classified by the Committee and its predecessor (the Joint Committee on Prescribing) was approximately 6,300, and the number of classified products at present on the market was approximately 5,000, divided among the categories as follows:—Category 1 (new drugs of proved value not yet standard), 70; Category 2, 3, 4 (not regarded as therapeutically superior to standard preparations), 4,100 (approximately); Category 5 (preparations not standard and which, in the Committee's view, have not been proved of therapeutic value), 265; Category 6 (preparations which include drugs which would be classified in Category 5), 565. The Committee has considered representations from manufacturers on the classification of 546 products. In ninety-four cases, classification has been changed.

COMPANY NEWS

Last year's figures in parentheses

EDWARD TAYLOR, LTD. — Net profit for year ended March 31, after tax of £10,643 (£20,895) is £10,752 (£22,113). Dividend 7½ per cent. (10 per cent.); carry forward £71,180 (£73,103).

KEMPTHORNE PROSSER & CO'S, NEW ZEALAND DRUG CO., LTD.—Net profit for the year ended January 31 was £129,622 with other income the total is £134,417. A final dividend of 6 per cent. making 10 per cent. for the year is proposed.

RECKITT & COLMAN (HOLDINGS), LTD.—Group profit increased from £7,222,325 to £7,831,618 for 1956. The ordinary dividend is held at 11 per cent., with an unchanged final of 7 per cent. Taxation charges are £4,276,257 (£4,077,356) leaving the profit balance £3,555,361 (£3,144,969).

STEVENSON & HOWELL, LTD.—Final dividend is 12 per cent. for 1956 (against 14 per cent.). Group trading profits, etc., have fallen from £167,770 to £142, 698, and the untaxed balance from £128,619 to £99,248. Tax provision is £56,355 (against £69,608). General revenue reserve receives £10,000 (nil), and the carry-forward is £199,890.

ASCOTTS PHARMACIES, LTD.—Subject to adjustment and audit, group net profit for the year to September 30, 1956, is £8,624 (£10,096), after tax of £11,753 (£10,280). Deduct share offer expenses £1,004 (net loss on sale of shops £1,069). Profits, less losses, on sale of warehouse and certain shops in the group were £16,049. Of this sum, £6,142 is written off balance of preliminary expenses and £9,906 carried to capital reserve.

BYDAND INDUSTRIAL HOLDINGS, LTD. (incorporating Moore Medicinal Products, Ltd.).—Group profits for the year ended March 31, before tax, £105,014 (£82,681); proposed final dividend 15 per cent. (10 per cent.), making a total of 20 per cent. for the year. In addition, 198,000 fully paid 5s. shares are to be issued free to shareholders, subject to C.I.C. consent. To celebrate the record year's trading, every member of the staff will receive a special bonus equivalent to one week's salary.—Miss Margaret B. Main (secretary) has been appointed to the board.

YARDLEY & CO., LTD.—In his statement to shareholders at the annual meeting on May 23, the chairman (Mr. T. Lyddon Gardner), said that the group had a satisfactory year in 1956 though unable to maintain the profits of 1955, which had shown a big increase over previous years. Export shipments from London factories were maintained in spite of the Suez crisis and the fall in profits was due to increased costs in one form or another. A major factor which affected the profits of all the Yardley companies was "the very high cost of certain essential oils. . . . Lavender oil, in which we are vitally interested, rose to double the price we were paying two years ago." The scarcity and price of the high-grade oil curtailed sales. If the crop is more normal this year there is hope that the grade of oil we require will be more plentiful and cheaper, but it will require a succession of good crops before the position reverts to normal. Home market sales, so vital in building up a new product for export, are depressed by the present high purchase tax rates that place the company at a disadvantage compared with French, German and American houses. It has been decided to manufacture the company's products in Eire. South African and Australian houses had a "difficult" year.

New Companies

PRONET PRODUCTS, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing chemists and druggists, etc. Directors: John B. Brent, Duncan T. S. MacLennan and Alfred Bieber. R.O.: 1A Rossiter Road, Balham, London, S.W.4.

HERBETEX, LTD. (P.C.).—Capital £100. To carry on the business of wholesale and retail chemists, druggists, etc. Subscribers: Jean Herbert (company director) and Thomas A. Herbert (barrister), 156 Strand, London, W.C.2. The first directors are to be appointed by the subscribers.

TRU-PINE PRODUCTS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals, gases and disinfectants of all kinds, etc. Jack K. Lewis, 89 Wellington Hill West, Westbury on Trym, Bristol, is the first director.

COLLEGE MEDICAL SUPPLIES, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists and druggists, opticians and photographers, etc. Directors: Leonard B. Goodwin, Gwendolyn O. Goodwin and Frederick A. Green. R.O.: 938 Stratford Road, Sparkhill, Birmingham, 11.

BUSINESS CHANGES

GLYCERINE, LTD., have removed to Conway House, 8 Tudor Street, London, E.C.4 (telephone: Central 7474).

NATIONAL CO-OPERATIVE CHEMISTS, LTD., have taken over the drug department of Slaithwaite & District Co-operative Society, Carr Lane, Slaithwaite, Huddersfield. During the past four years the department has been trading as a drug store after many years as a pharmacy.

Appointments

E. H. BUTLER & SON, LTD., have appointed Mr. A. J. Blockley their proprietaries and sundries buyer.

THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10, have appointed Mr. Frank Curzon their advertising manager.

KELDON, LTD., Perivale, Middlesex, have appointed Messrs. J. H. Bolt and S. F. Copson assistant sales managers for their northern and southern divisions respectively.

COLEMAN & CO., LTD., Westwick Street, Norwich, have appointed Mr. J. D. Ritchie, 48 Ashbrook Road, Old Windsor, Berks, their representative in the Counties of Bedfordshire, Berkshire, Buckinghamshire, Hertfordshire, Middlesex and Oxfordshire.

DEATHS

BLACK. — On May 16, Mrs. Joan Mary Black (*née* Denton), 75 Redway Drive, Whitton, Middlesex. Mrs. Black qualified as a chemist and druggist in 1934.

BROADBENT. — On May 19, Mr. John Beaumont Broadbent, Honley, Yorks, aged ninety-two. Mr. Broadbent passed the Pharmaceutical Chemist Qualifying examination in 1891 and qualified as a chemist and druggist in 1886. He had been in business in Honley for over sixty years. Mr. Broadbent was serving in his shop, where he had been apprenticed, only four years ago. He was the oldest member of the Huddersfield Branch of the Pharmaceutical Society, and a former president of the Huddersfield Chemists' Association.

DAVENPORT. — Recently, Mr. Samuel Davenport, M.P.S., 40 St. James Road, Higher Broughton, Manchester 7. Mr. Davenport qualified in 1922.

SMITH. — On May 9, Mr. Sydney Smith, M.P.S., 32 Bridgford Road, West Bridgford, Nottingham, aged seventy-six.

SMITH. — On May 11, Mr. Sidney Rew Smith, M.P.S., 532 Lea Bridge Road, Leyton, London, E.10, aged sixty-three. Mr. Smith had held office in the Walthamstow Chemists' Association.

SPENCE. — At Balfour Hospital, Kirkwall, Orkney, on May 20, Mr. Herbert Spence, M.P.S., Plainstones, Stromness, Orkney. Mr. Spence qualified in 1924. He was in business in Victoria Street, Stromness.

WOOD. — On May 11, Mr. John Frederick Wood, M.P.S., 7 Broadwater Street West, Worthing, Sussex. Mr. Wood qualified in 1903 and had been in business in Worthing for many years.

PERSONALITIES

MR. PHILIP BACHE (managing director, Geo. Salter & Co., Ltd.) has been elected president of Birmingham Chamber of Commerce.

MR. D. G. HAYDEN, M.P.S. Bridge Road, Oulton Broad, Lowestoft, Suffolk, has been returned unopposed to Lowestoft town council.

MR. W. F. KEMP (purchasing director, Kaylene (Chemicals), Ltd. London, N.W.2), has been elected president of the Willesden East Rotary Club.

MR. DONALD SIMMONITE, F.P.S. (head of the pharmaceutical division Smith & Nephew Research, Ltd.) has been elected a fellow of the Royal Institute of Chemistry.

MR. T. REID, M.P.S. (a member of the Pharmaceutical Society's Council) has been returned unopposed to fill a casual vacancy on Haslemere urban council, Surrey.

MR. S. STEWART DUNN, M.P.S. who is proprietor of S. Stewart Dunn & Son, Ltd., 98 High Street, Deal, Kent, has been elected mayor of the borough for the second consecutive year.

NEW PRODUCTS AND PACKS

Vitamin-mineral Supplement.—Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex, announce the availability of Geriplex capsules, each containing vitamins A, B_1, B_2, B_{12}, C and E, with nicotinamide, choline citrate, Taka-diastase, rutin and mineral salts. The capsules are intended for use in conditions in which a mineral-vitamin supplement is likely to be required by middle-aged or older persons.

Nasal Drops.—Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, announce the introduction of a new speciality, Cortibiotic nasal drops, for the treatment of allergic rhinitis, hay fever and related conditions. The drops contain in each mil 2·5 mgm. of prednisolone acetate, 12·5 mgm. of Soframycin, and 2·5 mgm. of phenylephrine hydrochloride in physiological saline. The product is presented in an 8-mil bottle.

For Treating Dental Infections. — A new jelly preparation, Caprygel, marketed in a cartoned collapsible tube by Ferris & Co., Ltd., Bristol, 2, has been introduced for the treatment of dental mycotic infections usually occurring under dentures. In use it is thinly smeared on the inside of the dried denture four times a day or as directed. The formulation is based on a recommendation by Lyon and Chick in the *Dental Practitioner*.

Buffered Tetracycline. — The introduction of Achromycin V (tetracycline buffered with sodium metaphosphate) is announced by the LEDERLE LABORATORIES division of Cyanamid of Great Britain, Ltd., London, W.C.2. Achromycin V is believed to have the property of binding certain metal ions present in the intestinal tract which, when free, combine with some of the tetracycline and prevent its absorption. It may be used for the same wide range of infections as Achromycin, and is presented in bottles of sixteen, 100 and 1,000 capsules each containing 250 mgm. of Achromycin, 380 mgm. of sodium metaphosphate.

PFIZER, LTD., Folkestone, Kent, announce the introduction of Tetracyn P, an admixture of tetracycline and sodium hexametaphosphate, claimed to increase the absorption of the antibiotic and in consequence to yield higher and more rapidly attained blood levels than comparable doses of tetracycline alone. Tetracyn P is claimed to be well tolerated. Gastrointestinal effects are low and, when they occur, may be minimised by administering the drug with cold milk or a light meal. The capsules are issued in bottles of sixteen and 100.

Advance Information.—Keen, Robinson & Co., Ltd., Carrow Works, Norwich, give notice that on September 1 they are changing the pack of Robinson's "patent" barley and groats, ½-lb. size, to a new card pack that is easier to stack and more attractive in display than the present tin. It will also take up less space. The price is unchanged. Until September 1 orders are being met so far as stock allows with the present 1-lb. and ½-lb. tins.



Air Freshener. — Albion Soap Co., Ltd., 30 Thames Street, Hampton-on-Thames, Middlesex, have launched a new product, Albion air freshener, which is issued in the distinctive display box illustrated. The products have gay wrappers of green, mauve and yellow. There is a choice of three perfumes: lavender, pine and garland.

Penicillin V Preparations. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that the following penicillin V preparations will be available in the home market on June 3: Glaxo penicillin-V tablets (125 mgm. scored), in bottles of twelve and 100; and Glaxo penicillin-V oral liquid (62·5 mgm. per fl. dr.), in bottle of 2 fl. oz. Crystapen (penicillin G) preparations (injection, tablets and oral liquid) continue to be available.

Prednisolone with Bactericide.—Ciba Laboratories, Ltd., Horsham, Sussex, are introducing on June 3 a new speciality Ultracortenol with Bradosol cream. Ultracortenol (prednisolone trimethylacetate) is absorbed slowly, with the result that high concentrations are developed at the site of inflammation, whilst undesirable systemic effects are avoided. Since all corticosteroids diminish the natural resistance to bacteria, Bradosol is included to prevent secondary infection. Ultracortenol with Bradosol cream is indicated in a wide range of localised inflammatory, allergic or pruritic dermatological conditions. It is available in 5-gm. tubes and contains 0·5 per cent. of prednisolone trimethylacetate and 0·05 per cent. of Bradosol.

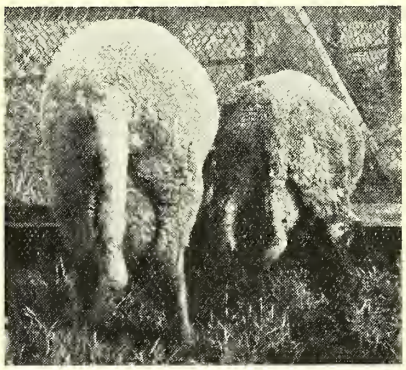
Cream Deodorant in Tube.—Claimed the first cream deodorant to be packed in a tube, Go cream, an antiperspirant deodorant manufactured by Freshness, Ltd., 38 Orsman Road, London, N.1, is presented in a new plastic "nonkink," non-crushable tube. It is available in two sizes.

HUSK BROUGHT UNDER CONTROL

New drug expels lungworm from farm animals

NEXT to foot-and-mouth disease—and in Britain perhaps to an even greater extent—hoose, husk or lungworm disease has been the most costly disease of cattle. In a wet summer in this country more than 600,000 cattle may be seriously affected. Previously incurable, the disease, whether in cattle, sheep, goats or pigs, is brought under control by a new treatment introduced by the pharmaceuticals division of Imperial Chemical Industries, Ltd., Wilmslow, Ches. The effect of husk is, by multiplying worms in the bronchi, to hinder breathing and reduce the animal to a poor and pitiable condition, perhaps even causing death. In cattle it causes loss of milk yield, in sheep loss of mutton and wool.

The new treatment makes use of a chemical that is by no means new, but whose use against lungworm has only recently been discovered (as the result of work done mainly in Britain, at the Ministry of Agriculture laboratories at Weybridge; at the Glasgow Veterinary School; and in the laboratories and farms of I.C.I.). Cyanacethydrazide, though it does not kill the worms, forces them to move up the windpipe of the animal, to be swallowed and then, as they pass through the gut, killed. For use as a husk remedy the chemical has been presented by Messrs. I.C.I. in two forms. As a powder, Helmox, it is given to cattle in their food or as a drench (three doses over a period of three weeks). By periodic treatment Helmox may also be used to prevent outbreaks. As it merely removes the lungworms and does not repair damage to the lung, it should be used at the earliest sign of the disease—usually recognised by most farmers. Helmox is thus the form in



Twin sheep, one free from infestation and the other in poor condition because of lungworm.

which the drug will be generally available to farmers and distributed through pharmacies. A second formulation, Dictycide, for injection and specially suitable for animals suffering from severe parasitic pneumonia, is being made available to veterinary surgeons. Helmox and Dictycide are both available immediately. Other formulations are being announced shortly. Helmox is packed in 4-oz., 2-lb. and 7-lb. tins, the intermediate pack providing a dose for approximately twenty adult cattle or 115 sheep or goats.

TRADE NOTES

New De-luxe Size.—Biometica, Ltd., Elstree Way, Boreham Wood, Herts, have introduced a new *de-luxe* size of Bu-To rose-scented hair remover.

Now "Limited."—Brome & Schimmer, Ltd., 7 Leather Market, London, S.E.1, point out that the word "Ltd." was omitted from a recent announcement by the company in this paper.

Tax Lifted. — Riddell Products, Ltd., 10 Dunbridge Street, London, E.2, announce that Riddojoy travel tablets are now exempt from purchase tax: the retail price is unchanged.

"Generous" Jar. — For regular users of their Skinfare cream, J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1, have introduced a new "generous" jar, three times as large as the standard.

Bottle-recovery Service.—A. C. Vallance, Ltd., Milton Street, Mansfield, undertake the collection, cleaning, heat-drying, capping and redelivery of dispensing bottles within a 20-mile radius of Mansfield, Notts.

Veterinary Distributors. — Biorex (Marketing), Ltd., 47 Exmouth Street, London, E.C.1, have appointed J. M. Loveridge, Ltd., 6 Millbrook Road, Southampton, the sole distributors of their veterinary range of Biosone G.A. products.

Now Taxed. — Tarcortin ointment, which is manufactured by Stafford-Miller, Ltd., and distributed by Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, has been ruled subject to purchase tax at the 30 per cent. rate.

Prices Pegged. — Despite an award of increased pay to engineers that will cost the company more than £30,000 a year, George Salter & Co., Ltd., West Bromwich, are making no increase in the prices of their kitchen spring balances and domestic personal weighing machines.

Supply Difficulties Resolved. — The Armour Laboratories (Armour & Co., Ltd.), Hampden Park, Eastbourne, Sussex, state that orders for Armour Amfac (anti-menorrhagic factor) Glanules are now being executed immediately, recent basic-material supply difficulties having been resolved.

Withdrawn. — Gala of London, Ltd., Hook Rise, Kingston By-pass, Surbiton, Surrey, are no longer issuing the nail colours "casual" and "demure" or the complexion tone "cherub," and will shortly be discontinuing "heart red" and "precious ruby," complexion tones.

Where to Send Orders. — Having been appointed sole selling agents for P. H. Galloway, Ltd., London, Eucryl, Ltd., Shirley, Southampton, state that orders both for Eucryl and for the Galloway proprietaries should be addressed to them at Southampton. Price alterations which take effect on June 1, are given on another page.

Charges for Carriage.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, announce that, as a result both of the already high postage rates, and of a 7½ per cent. increase in road-transport charges, they are, from June 1, charging carriage on all orders under £3 net in value (excluding purchase tax, but including bonus parcels or offers, halibut-liver oil capsules, B.P., and capsules of vitamins, B.P.C., supplied against contracts).

Exclusive Distributors. — Kingsley & Keith, Ltd., 110 Victoria Street, London, S.W.1, have been appointed exclusive distributors of many products of Eastman Chemical Products, Inc., which sell the chemicals manufactured by the Tennessee Eastman and Texas Eastman divisions of the Eastman Kodak Co., Kingsport, Tennessee, U.S.A. The range includes the aliphatic chemicals acetic anhydride; isobutyric acid; *n*-butyric acid and anhydride; 2-ethyl hexoic acid; 2-ethylhexyl alcohol; isobutyl alcohol; isooctyl alcohol; 2-ethyl isohexanol (2-ethyl 4-methyl pentanol); nonyl alcohol (2 propyl 4-methyl pentanol); isobutyraldehyde; triacetin; tributyrin; di-(2-ethylhexyl) azelate; isobutyl acetate and isopropyl acetate; and the aromatic chemicals 2,5-diethoxy aniline; 2,5-dimethoxy aniline; phenyl diethanolamine; phenylethyl ethanolamine; *m*-tolyl diethanolamine; *o*-tolyl propanolamine and isobutyronitrile.

New Stocks for Old. — It was announced in these columns in February (*C. & D.*, February 9, p. 149) that Aspro-Nicholas, Ltd., Slough, Bucks, had asked retail and wholesale stockists to return to them any supplies they then had of Dip plastic starches. A new formula for Dip had been developed that completely altered the properties of the product. The new Dip, twice as concentrated as before, contains also an optical dye that imparts a greater degree of whiteness and a suspending agent that prevents the bottle contents from settling. As advertising is in progress the manufacturers stress that the public expect what they buy to be "new, double-strength" Dip, but many are still being given the old product; that can cause loss of business and prestige to retailers and wholesalers as well as to the manufacturer, because (a) the now obsolete form does not live up to the claims made for the new product, and (b) a customer using the old product thinking it is the new one is unlikely to come back for more. It is most important, therefore, that stockists, particularly retailers, should return any stocks of "old" Dip to the manufacturer or their wholesaler. Stock returned is being replaced, bottle for bottle, with the new double-strength Dip. Later deliveries of the new product have a redesigned label carrying in red the words "new double-strength," but early consignments went out with the old blue-and-white striped label. The best means of distinguishing between old and new Dip is by looking at the contents: held side by side with the old product, the new is immediately identifiable by its faint blueish hue. The old Dip, if undisturbed, will have "settled," and the upper part of the contents will have a watery appearance.

Bonus Offers

RILLING CO. (RILLING-HILLS, LTD.), 222 Borough High Street, London, S.E.1. "Natural set" lanolised aerosol hair spray. Thirteen to doz.

REXALL DRUG CO., LTD., Loughborough, Leics. Brewers' yeast tablets and flakes. Each complete doz. ordered invoiced as eleven. Until June 8. Plenamins multivitamin capsules. One 9s. size free with every two doz. of the 5s. size (or equivalent). Until June 15. Both offers conditional on fourteen days' window display utilising the makers' new summer showcards.

Holiday Closings

CIBA LABORATORIES, LTD., Horsham, Sussex. Closed June 5 (for works outing).

MOST manufacturers are closing for Whitsun from normal closing time on Friday, June 7, until normal opening time on Tuesday, June 11. The following arrangements for emergency supplies have been notified:—

THE DISTILLERS CO. (BIOCHEMICALS), LTD., Broadway House, The Broadway, Wimbledon, London, S.W.19, and Speke, Liverpool.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex.

JOHN WYETH & BROTHER, LTD., Clifton House, Euston Road, London, N.W.1.

Emergency supplies of the above manufacturers' goods from John Bell & Croyden, 50 Wigmore Street, London, W.1.

BIOREX (MARKETING), LTD., 47 Exmouth Street, London, E.C.1. Open for supply of Biorex specialities June 8, 9 a.m. to 8 p.m., and June 9 and 10, 10.30 a.m. to 1 p.m.

BIOREX LABORATORIES, LTD., 47 Exmouth Street, London, E.C.1. Open for urgent medical supplies to hospitals only. June 8, 9 a.m. to 8 p.m., and June 9 and 10, 10.30 a.m. to 1 p.m.

GLAXO LABORATORIES, LTD., Greenford, Middlesex. Skeleton staff available on June 8.

THORNTON & ROSS, LTD., Linthwaite, Huddersfield. Closed Whit Monday and Tuesday.

Exhibitions and Fairs

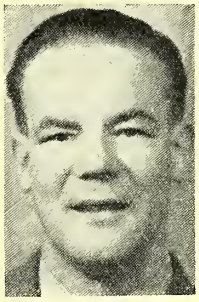
INSTRUMENTS, ELECTRONICS AND AUTOMATION. — So heavy were the bookings for the first exhibition at Olympia, London, May 7–17, that it has been decided to repeat the exhibition in 1958 (April 16–25).

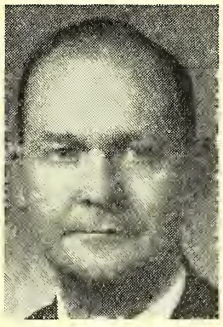
ANUGA, Cologne, 1957. The General Provision of Fine Foods Exhibition, Cologne, 1957. A special flight of British visitors is being organised by Martin Bencher, Ltd., 49 Leadenhall Street, London, E.C.3, in collaboration with Mr. M. Neven du Mont (United Kingdom representative for the exhibition).

BRITISH PLASTICS INTERNATIONAL EXHIBITION AND CONVENTION, Olympia, London, July 10–20. Details from exhibition manager *British Plastics*, Dorset House, Stamford Street, London, S.E.1.

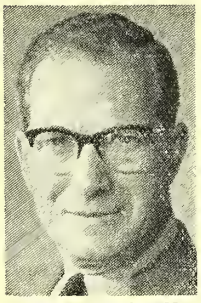
SCOTTISH EXECUTIVE ELECTION CANDIDATES

THE fourteen candidates for election to the Executive of the Scottish Department of the Pharmaceutical Society on June 12 are:—


Mr. J. D. C. Anderson


Mr. T. C. Kelly


Mrs. E. A. Kidd


Mr. J. Macdonald


Mr. W. C. Macmaster


Mr. W. A. Park

ANDERSON, J. D. C., Aberdeen.
QUALIFIED 1936. After experience at Aberdeen Royal Infirmary and in retail he became managing director of three companies of retail pharmacies in Aberdeen. A fellow of the Institute of Directors. Representative of Aberdeen Pharmaceutical Association to Aberdeen Chamber of Commerce. A member of the Executive Council of the Scottish Pharmaceutical Federation and an associate member of the International Pharmaceutical Federation.

CARMICHAEL, W. C., Glasgow.
QUALIFIED 1931 after having graduated in arts at Glasgow University, 1925. A director of Matthew Carmichael, Ltd. Has served on the committee of Glasgow and West of Scotland Branch of the Pharmaceutical Society for several years, and was chairman 1953–55. A member of the Pharmaceutical General Council (Scotland) and of its Standing Committee.

DUNNETT, J. B., Edinburgh.
QUALIFIED 1933. A representative for a company of pharmaceutical manufacturers, and after a number of years on the committee of Edinburgh and South-eastern Scottish Branch of the Society, has recently been appointed vice-chairman.

GROSSET, J. B., Edinburgh.
QUALIFIED 1940. A proprietor pharmacist and the first in Scotland to be granted a T.S.A. licence. A former chairman, Edinburgh and South-eastern Scottish Branch of the Society. An *ex-officio* member of the Pharmaceutical General Council (Scotland) and of its Standing Committee. He was formerly secretary, and is still a member, of Edinburgh Pharmaceutical Committee. A member of the Edinburgh Executive Council and chairman, Services Administration Committee.

KELLY, T. C., Glasgow.
ENTERED pharmacy 1938; served in Forces 1939–46; studied accountancy; qualified in pharmacy 1949. On completion of three years' retail management, he became pharmacy superintendent, Cockburn & Co., Ltd. A member of the committee, Glasgow and West of Scotland Branch of the Society.

KIDD, Mrs. E. A., Kirriemuir.
QUALIFIED 1922. In 1924 opened her own business at Lochee and remained there until 1936, when she left to be married in Calcutta. Chairman, Dundee and Eastern Scottish Branch, 1934–36. During the 1939–45 war she was a lay lecturer with the St. John's Ambulance Association in India and was awarded the "serving sister" medal in 1946. Returned to Scotland, 1947, and purchased a pharmacy in Kirriemuir in 1948. Since 1948 she has been on the committee of Dundee and Eastern Scottish Branch.

MACDONALD, J., Glasgow.
QUALIFIED 1925 after which he was for sixteen years chief pharmacist, Stobhill Hospital and then at Western District Hospital. In 1947 he joined Imperial Chemical (Pharmaceuticals), Ltd., and is now a senior medical representative in the Scottish region. A member of the committee, Glasgow and West of Scotland Branch for three years.

MACMASTER, W. C., Glasgow.
QUALIFIED 1923. A proprietor pharmacist with long experience as managing director of a small multiple firm. Has been secretary, Glasgow and West of Scotland Branch of the Society since 1953. A past president of Glasgow Pharmacy Club.

MAIR, J. D., Glasgow.
QUALIFIED 1927. Proprietor pharmacist since 1929. In 1950 elected chairman, Association of Glasgow pharmacists, and has since served on the Local Pharmaceutical Committee, the Glasgow City Executive Council and the pharmaceutical services committee. A member of the committee, Glasgow and West of Scotland Branch of the Society and is chairman, Pharmaceutical General Council (Scotland) and of its Standing Committee. One of the representatives of the Standing Committee on the National Health Services Council (Scotland), the Pharmaceutical Standing Advisory Committee, Committee B of the Whitley Council and the Drug Accounts Committee.

MONCUR, D. A. R., Edinburgh.
QUALIFIED 1933 and shortly afterwards was elected to the committee of Glasgow and West of Scotland Branch. A proprietor pharmacist. Was for three years chairman of Edinburgh Pharmaceutical Committee. A former member of the Pharmaceutical General Council (Scotland).

PARK, W. A., Aberdeen.
QUALIFIED 1922. Is senior managing director, Davidson & Kay, Ltd. A former chairman and vice-chairman, Aberdeen and North-eastern Scottish Branch, of which he was treasurer for twenty-one years. Vice-president, Aberdeen Pharmaceutical Association.

SUTTIE, Miss M. S., Glasgow.
QUALIFIED 1930, and also holds the diploma in biochemical analysis. After two years in retail pharmacy she had experience of hospital pharmacy, and in 1937 she joined the staff of Glasgow Public Health Department. Since 1949 has been in charge of pharmacy section, Health and Welfare Department, Glasgow Corporation. A committee member, Glasgow and West of Scotland Branch of the Society for many years and is Branch librarian. She is a former treasurer of the local branch of the Guild of Public Pharmacists.

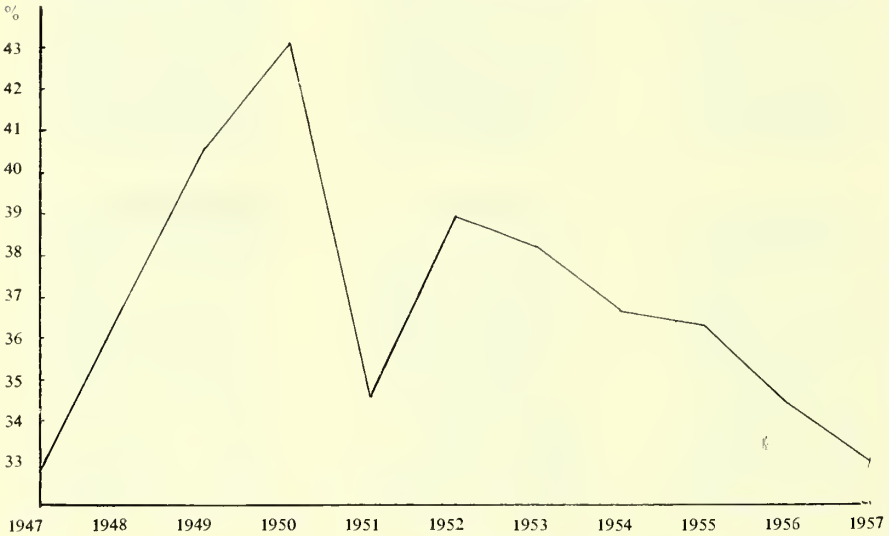
THOMAS, H. T., Kelso.
QUALIFIED 1926, and, after a period at the Royal Infirmary, Edinburgh, returned to the pharmacy where he was apprenticed, J. M. Massey & Co., Kelso, becoming proprietor of it in 1936. His pharmacy includes a biochemical laboratory which is recognised by the Regional Hospital Board. Was co-opted to the Council of the Society in 1953, but did not stand for election the following year for health reasons. A member of the Standing Pharmaceutical Advisory Committee of the Scottish Health Services Council.

WILSON, W. T., Glasgow.
QUALIFIED 1931. Proprietor pharmacist since 1933. Has served on the committee of Glasgow and West of Scotland Branch since 1950, and was chairman 1955–57. A member of Glasgow Pharmaceutical Committee, the Pharmaceutical General Council (Scotland) and its Standing Committee.

PHARMACEUTICAL SOCIETY'S ANNUAL MEETING

Members' questions and a memorandum on education

THIS year the voting in the Pharmaceutical Society's Council election was below even the poor percentages of the past few years—the poll, in fact, was the lowest since 1947, as shown in the following graph:—



At the annual meeting on May 15 THE PRESIDENT (Mr. Granville Shaw) announced the results of the elections.

Picking out from the Society's annual report items for special mention he drew attention to a 10 per cent. increase in the number of persons registered as student.

The committee that had been set up to study aspects of pharmaceutical practice was still at work. He could not say how long it would be before its report was published.

The annual report having been formally proposed and seconded, the meeting was thrown open for discussion and questions.

MR. D. J. GIBSON, Greenwich, asked whether there had been an increase or decrease in the number of premises registered under Part B; why advantage had not been taken of the departure of the School of Pharmacy from the Society's headquarters to establish a London centre; and whether the Society had any liaison with the World Health Organisation.

MR. C. E. TURNER, North Staffs, raised a point on the registration figures. Income was down £52, yet registrations were up by 306. Why was there no increase? He supposed many members must have reached the age of seventy and inclusion without fee. He had hoped for a mention in the report on proposed changes in the Poisons Rules, especially Clause 7 (see *C. & D.*, February 16, p. 175). Members viewed with grave concern the implications of the proposed changes, and he hoped everything would be done to prevent the clause from taking effect.

MR. T. W. FISHER, Wakefield, wondered why funds continued to be invested in 2½ per cent. Defence Bonds. Would not 4½ per cent. Bonds be a better investment? Was expert advice taken on how to derive the maximum income from the Society's investments?

MR. G. J. HENDRA, Truro, asked for information on the committee on veterinary matters that had been sponsored by the Society. There was no mention of it in the report.

The answers from the platform were that registrations of branch shops in 1956 numbered 4,075, a decrease of eighty-three. Even with the space released by the departure of the School of Pharmacy the Society's house was inadequate for conversion into examination laboratories. The Society was a sponsoring body of the United Kingdom organisation for supporting the World Health Organisation. The decrease in registration fees was due to exemptions and modulated fees. Representations had been made to the Poisons Board about the point raised by Mr. Turner. At the president's statement that yield and not value was the criterion in investing the Society's funds there was incredulous laughter. [Without other evidence, the answer seemed an absurd one to Mr. Fisher's question.] The last answer was overlooked and had to be given after next business had been started—and on a point of order. It was that the veterinary committee had not met for a considerable time but would meet, it was hoped, in the near future.

The report was approved.

Fellowship of the Society

A motion to amend the by-laws to enable the Fellowship to be granted to members who had served the Society well in a voluntary capacity was then put by MR. G. H. SHEARD, Dartford, and seconded by MR. R. F. ABBOTT, Barnet. Mr. Sheard said that there were members who put in valuable and honorary service for periods of years and were worthy of such recognition. THE PRESIDENT'S reply was that the Council considered the award should be reserved for contributions to knowledge. It had, however, sympathy for the idea of providing recognition for distinguished voluntary service and was considering the best way of giving effect to it.

When the motion was put it was narrowly defeated [voting: forty-three for; fifty-three against].

Educational Policy

MR. ALLEN ALDINGTON asked the chairman's permission to depart from custom [he was by that time a member of Council and therefore by recent tradition mute] to present a memorandum on education. MR. SHAW'S signal was interpreted as consent and MR. ALDINGTON accordingly read his statement.

He spoke, he said, as one specially interested in retail pharmacy.

The original conception of the training of a pharmacist and of his qualification was for the purpose of keeping open shop, and for the dispensing and sale of poisons. Today 84 per cent. of pharmacists were in retail practice, the remainder in manufacturing, hospital or teaching posts. In the past the Society had been responsible for setting the standard of entry at preliminary level, for the intermediate level scientific training, and finally for the syllabus of training and study for the final examination. It had been the examining body and responsible for registration. Through the school of pharmacy at Bloomsbury Square it had been responsible for the training of a large number of students, and he thought all pharmacists had been proud of that school.

The school had been integrated into the University of London. That step provided students with a great opportunity for study in ideal conditions, but no course was now available in the London area for the Society's diploma. Was not that a retrograde step? The latest announcement that the preliminary and scientific intermediate examinations were now combined as the preliminary entrance, prior to registration as a student, meant, he was told, that the entrance examination was now of a higher standard than that of the University of London. Far more seriously it meant that the intake into pharmacy would be reduced to a stratum of students who stayed on at school until they had achieved the General Certificate of Education at advanced level in scientific studies.

It was realised that there was another method of entry, but it was obvious that that was of theoretical interest only. The students will be those whose parents could afford to keep them at school for the extra two years necessary, or who wished them to stay for that additional period.

Pharmacy would be drawing its students from a much narrower stratum from that of the doctors, lawyers, solicitors, etc., and that would probably have the effect of drastically reducing the entry into pharmacy.

It was appreciated that there was provision for a pre-academic training of apprentices, but when a student stayed at school until advanced G.C.E. level

SUMMARY FOR YEAR ENDED DECEMBER 31, 1956

EXPENDITURE	£	1956 £	1955 £
EDUCATION			
Examiners' fees, etc.		20,572	18,585
Library and museum		9,598	9,355
Pharmaceutical Trust:— Gross amount of the sums paid (£7,500) under deeds of covenant		13,044	13,636
Miscellaneous		8,087	11,728
LAW			
Register	1,909		1,645
Registration, etc.	5,806		6,058
Agents and inspectors	16,995		14,464
Prosecutions, sundries, Statutory Committee	2,649		2,671
		27,359	24,838
ORGANISATION			
Grants to branches, conference, fares, travelling expenses of speakers, salaries		15,433	14,351
PUBLICATIONS			
Expenditure on official journal *less* income	4,456		14,372
Journal of Pharmacy and Pharmacology	9,076		8,402
B.P. Codex	7,849		8,491
Extra Pharmacopœia	13,616		18,156
B.Veterinary Codex	765		634
Other publications	13,513		18,938
		49,275	68,993
HEADQUARTERS			
Rent, rates, repairs, maintenance	14,321		16,239
Canteen	1,274		947
Salaries and wages	25,215		24,884
Stationery, telephone, etc.	10,510		9,490
Chartered accountants	630		525
Members of Council expenses	5,050		5,447
		57,000	57,532
SCOTTISH DEPARTMENT		9,084	8,969*
MISCELLANEOUS			
Staff superannuation, pensions and subscriptions, etc.	14,847		19,228
New Constitution reception	—		1,578
Organising committee, I.P.F. congress	—		4,987
		14,847	25,793
Total expenditure, general fund		224,299	253,780*
Premises		7,708	—
Parliamentary Fund		—	350
Conference grants		—	—
Benevolent Fund :—			
(*a*) General :—			
Annuities	3,830		4,086
Grants	8,577		9,056
		12,407	13,142
(*b*) War Aid :—			
Grants		851	1,217
Birdsgrove House Fund :—			
Maintenance	7,184		6,056
Furniture and equipment, *less* specific donations	215		1,285
Net cost of new car	—		650
		7,399	7,991
Hills Orphan Fund grants		—	—
Orphan Fund grants		635	144
Emergency Fund grants		5	—
Total expenditure		253,304	276,624*
Transfers to accumulated funds of surplus income for year applicable to special purposes :—			
Premises Fund	5,656		12,019
Parliamentary Fund	592		200

INCOME	£	1956 £	1955 £
Students' registration fees	3,255		3,566
Examination fees	18,437		18,668
		21,692	22,234
Pharmaceutical Trust :— Grant to expenses of Society's charities		13,044	13,636
Register	2,459		2,320
Reciprocal registration fees	850		830
Restoration fees	103		107
Certificates of qualification	4		1
Costs and penalties	183		130
Inspection of premises for local authorities	904		946
Miscellaneous law charges	27		7
		4,530	4,341
Journal of Pharmacy and Pharmacology	6,344		6,297
B.P. Codex	6,143		13,242
Extra Pharmacopœia	10,842		24,840
B.Veterinary Codex	1,048		1,317
Other publications	14,125		25,440
		38,502	71,136
Premises' fees	49,387		49,539
Members' fees	88,767		88,819
	138,154		138,358
Income from investments :—			
Interest	2,494		1,579
Rents	550		550
	3,044		2,129
		141,198	140,487
Total income, general fund		218,966	251,834*
Interest on investments		13,364	12,019
Parliamentary :—			
Subscriptions	462		443
Interest	130		107
		592	550
Conference :—Interest		62	57
Benevolent :—			
Subscriptions	7,282		6,850
Income under deeds of covenant	2,010		2,402
Rents and ground rents	5,903		5,300
Dividends	1,075		947
Income from S. G. Cahallinor's legacy	15		15
	16,285		15,514
Less: Allocated to Birdsgrove House Fund	2,000		2,200
		14,285	13,314
War Aid :—			
Interest		375	375
Birdsgrove House :—			
Subscriptions and donations	2,395		2,527
Income under deeds of covenant	1,369		1,548
Contributions of guests	1,101		1,092
Miscellaneous income	33		30

EXPENDITURE		1956	1955	INCOME		1956	1955
Conference Entertainments Fund ...	62		57	Grant from Benevolent Fund ...	2,000		2,200
Benevolent Fund:—General ...	1,878		172			6,898	7,397
Hills Orphan Fund	333		306				
Orphan Fund...	1,153		1,466				
Emergency Fund	545		84	Hills :—Interest		333	306
		10,219	14,304	Orphan :—Subscriptions, deeds and interest		1,788	1,610
				Emergency		550	84
				Total income		257,213	287,546
				Transfers from accumulated funds :—			
				Benevolent Fund :—War Aid ...	476		842
				Birdsgrove House Fund	501		594
						977	1,436
				General fund, deficit for 1955 ...		5,333	1,946
General fund, surplus for 1954 ...		263,523	290,928*			263,523	290,928

* Figure amended in 1956 Financial Statement.

FUND	LIABILITIES		ASSETS			TOTALS	
	Total liabilities	Accumulated funds	Investments	Cash	Other Assets	1956	1955
	£	£	£	£	£	£	£
General (creditors, etc., £57,330; reserve £45,000)	102,330	914	46,061	5,355	51,828	103,244	114,862
Premises	6,500	450,134	433,401	3,721	19,512	456,634	444,458
Parliamentary	—	5,072	4,469	603	—	5,072	4,480
Conference entertainments	—	1,810	1,330	464	16	1,810	1,748
Staff superannuation	—	19,733	17,878	1,749	106	19,733	17,964
Benevolent — General (endowment fund, £117,692) ...	118,430	30,643	138,158	6,973	3,942	149,073	146,648
War Aid	—	18,582	15,000	3,582	—	18,582	19,058
Birdsgrove House (endowment fund, £550)	664	538	550	65	587	1,202	1,366
Hills Orphan (endowment fund) ...	1,500	7,616	7,105	1,997	14	9,116	8,783
Orphan (endowment fund)	350	14,879	14,500	599	130	15,229	14,076
Emergency	—	3,184	2,500	666	18	3,184	2,639
	229,774	553,105	680,952	25,774	76,153	782,879	776,082
Special Trust Funds	—	13,962	6,242 (A)	7,286	434	13,962	13,829
£	229,774	567,067	687,194 (B)	33,060	76,587	796,841	789,911

Notes in parentheses in first column apply to total liabilities only. (A) Excluding investments to the nominal value of £21,281 from which the several funds derive their income. (B) The investments include stocks costing £467,021, the market value of which at December 31, 1956, was £378,652.

it would be more natural that he should continue his academic studies and qualify before taking practical training (and Mr. Aldington was sure that that was the intention of the Council), particularly as the regulations allowed him to do only one year's post-graduate apprenticeship against two years' pre-academic. He was of the school of thought that held it to be essential that a student should have some practical training in the pharmacy prior to his academic work. During the formative years of his life (sixteen to twenty-one) he should have some contact with the public, and his other colleagues in the Health Service so as to give him an insight into working conditions and to help develop personality. The better retail pharmacist is he who has served a pre-academic apprenticeship. Under the new scheme of entry, the embryo pharmacist would have no experience in the pharmacy, where he was to spend his life, until after qualification.

Mr. Aldington's third point was that the Council should clearly make known if it was correct, as recently a member of Council had said, that they were rapidly approaching the time when the only entry on to the register would be via the degree course. There was an increasing tendency for the schools of pharmacy to stress the importance of the degrce course (and, by inference, to decry the Society's diploma).

Another disturbing feature was that, he was told, latterly only one in five of degree students were taking the necessary examination in forensic pharmacy to enable them to register.

He asked the Council of the Society: Where are the pharmacists of the future coming from ? Is the position not being created in which the Government would have its own training schcme for dispensers to undertake its Health Service work, completely outside the control of the Pharmaceutical Society ?

MR. K. HOLLAND said the demand for pharmacists in industry would probably expand. The present type of course admirably suited industry. But how to man retail establishments ? A new approach to training must be thought out. Would-be pharmacists should have it made clear to them what types of job were open to them inside and outside pharmacy. Entrants should always become pharmacists: they should be encouraged to join the Society. He viewed with concern a growing dichotomy between registered and unregistered graduates. His own suggestion was for one year at a teaching institution to enlarge the entrant's basic studies, followed by a three-year or four-year retail on a half-time basis (the rest of the time spent at a technical college). That method would produce a really well qualified pharmacist.

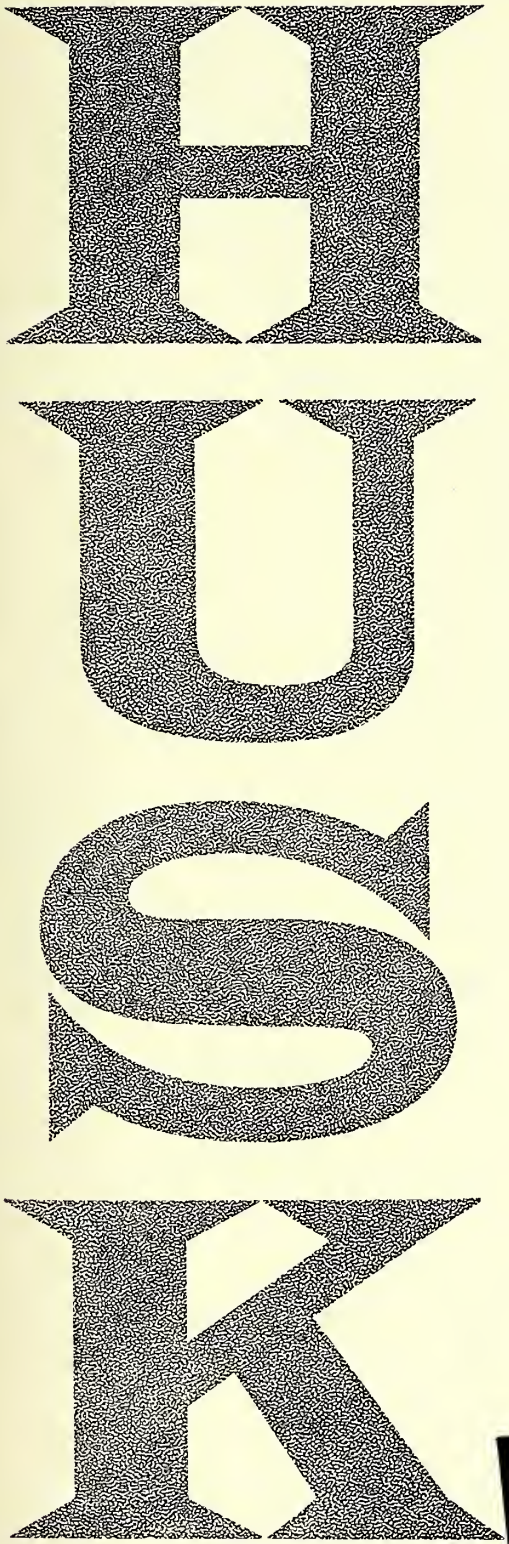
MR. H. WILLIAMS, Reading, thought the formulators of the present policy had their heads too high in the clouds. There was little in pharmacy worthy of the geniuses they were producing. It would be wiser to concentrate on producing worthier pharmacists. The policy should be progressive but not at too great a rate.

MR. C. E. TURNER, North Staffs, considered the new regulations would ensure that only those well fitted to qualify would do so.

MR. D. J. GIBSON, Greenwich, said that the syllabus should be so arranged that the first part fitted the student to serve as apprentice; the second for practice.

MR. GRANVILLE SHAW said he could not, while the education subcommittee was still considering its report, give an answer to the question raised by members at that meeting.

The meeting ended with vote of thanks to the chairman.



I.C.I. discovers the effective treatment for husk in all farm animals

THE DISCOVERY by I.C.I. of a drug which eliminates Husk worms is an achievement of considerable importance to all livestock owners.

In the past, there has been no specific treatment for this disease and outbreaks invariably resulted in heavy economic losses.

Now, for the first time, Husk can be brought under control by this new I.C.I. product, which is presented in the form of 'Helmox'.

'Helmox' provides the farmer with a powerful weapon against the menace of husk in cattle, sheep, goats and pigs. Simple and convenient to use, it can be given easily in the feed or dissolved in water as a drench, and no changes in feeding are necessary.

'Helmox' is the only specific remedy. Given at the intervals recommended, it will eradicate lungworms from farm animals. Furthermore, there is every indication that monthly dosing during the summer will give them valuable protection against the disease.

'Helmox' is available in containers of 4 oz., 2 lb. and 7 lb. Retail prices: 12/-, 90/- and 276/- (Plus P. tax). A 2 lb. tin will dose approximately 20 average adult cattle or 50 calves or 115 sheep.

Full details of this I.C.I. discovery have been sent to all veterinary surgeons.

Farmers will respond immediately to the widespread advertising that is being undertaken in the national farming journals. Suppliers in country districts are urged to stock and make displays. Ample point-of-sale material is available.

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ACHROMYCIN V is Lederle's latest contribution to medical science. It results from intensive research on methods of increasing the therapeutic potency of ACHROMYCIN tetracycline—already recognised as today's foremost self-sufficient broad-spectrum antibiotic. ACHROMYCIN V consists of ACHROMYCIN tetracycline buffered with sodium metaphosphate—believed to have the ability of binding certain metal ions present in the intestinal tract, which, when free, combine with some of the tetracycline and prevent its absorption. ACHROMYCIN V is now available to doctors who want the maximum benefits from oral therapy with ACHROMYCIN. Initia clinical investigations show that ACHROMYCIN possesses all the acknowledged clinical virtue of ACHROMYCIN tetracycline plus the followin advantages:

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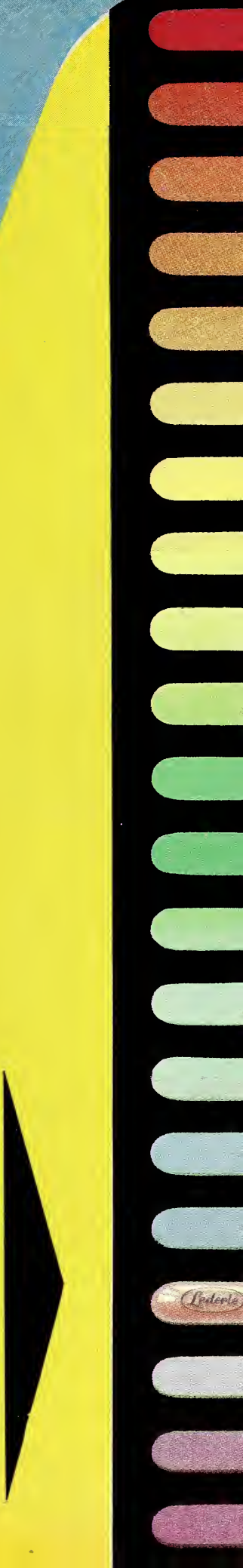
ACHROMYCIN V can be used for the same wide range of infections for which ACHROMYCIN tetracycline has been employed. SUGGESTED DOSAGE: As for ACHROMYCIN i.e. for the average adult, 1 Gm. DAILY in divided doses.

ACHROMYCIN V is presented in capsules containing 250 mg. ACHROMYCIN tetracycline, and 380 mg. Sodium Metaphosphate.

Bottles of 16, 100 and 1,000 Capsules.

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Parcel No. 2 *3 dozen Derl Toilet Soap (New Pack) 3 dozen Roberts Original Brown Windsor Toilet Soap.*

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The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

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TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

United Kingdom Exports in April

THE United Kingdom overseas trade figures for April were less favourable than in the two previous months, with exports falling a little, with re-exports sharply down, and with imports only slightly below the high March level. In consequence the April trade deficit rose to nearly £69 millions, against £32 millions in February and £48 millions in March.

The value of exports in April was, at £272·2 millions, £25 millions less than in March, and 2½ per cent. below the monthly average for the first quarter of the year. The Board of Trade states that the fall was bigger than would normally have been expected on seasonal grounds after taking account of the Easter holiday. Re-exports were valued at £8·6 millions — one third lower than the monthly average for the first quarter. Imports in April (at £349·7 millions) were £12 millions less than in March.

Like the country's exports as a whole, exports of drugs, medicines and medicinal preparations were lower in April than in February and March, though at £3·16 millions they compared favourably with those in April 1956 (£2·6 millions) and brought the total for the first four months of the year to just over £13 millions (against £11·8 millions in the corresponding period of 1956).

Some of the more important items that made up the total drug exports mentioned above are listed in the first of the accompanying tables; imported goods of a similar nature are given in the second table. Most values present little change from the pattern set in previous months with the exception of proprietary medicine imports, which were double the monthly average for the first three months of the year.

Australia was again the largest single market for medicines and drugs, with purchases valued at £303,562 against £192,569 in April 1956); India was next with £232,216 (£217,120). The overseas payments difficulties which beset Pakistan at the present moment have seriously affected imports of drugs from the United Kingdom for their value was, at £81,890, over £100,000 less than in April 1956.

The higher figures shown for Australia for the period are, of course, a direct result of the recent easing of import restrictions in that country, but there is little improvement on the position that obtained before those restrictions were put into force. In the easing of those restrictions United Kingdom exporters share with competitors from other countries the benefits derived from liberalisation. However, the new tariff rates Australia has announced (see p. 605) put competitors on a more even footing with British exporters by reducing the United Kingdom preference margin to 7½ per cent. (from 10 or 12½ per cent.) on goods of which there are no comparable domestic products available. The effect will be (as the Australian Minister of Trade succinctly put it) that the landed cost of foreign goods will be reduced, and British exporters will be obliged to quote more competitively.

We are confident that British pharmaceutical exporters are capable of meeting the new challenge, provided they are not unduly hampered by political interference.

EXPORTS	VALUE
	£
Drugs, medicines, medicinal preparations (total)	3,163,339
Vitamins	195,381
Penicillin salts	149,468
Penicillin injections	42,272
Penicillin tablets, ointments, etc.	56,253
Antibiotics other than penicillin	442,876
Quinine	11,121
Alkaloids, excluding quinine	75,966
Aspirin	110,461
Antihistamines	44,768
Antipaludics	67,996
Barbiturates	53,340
Liver extracts	16,309
Ointments and liniments	108,260
Insulin	36,186
Sulphonamides	88,348
Proprietary medicines	913,306
Other medicines	726,911
Glycerin	33,065
Acetone	59,494
Citric acid	30,306
Salicylates	25,813
Perfumery and toilet preparations	
Lipstick, face powder, etc.	331,511
Dentifrices	301,846
Toilet soaps	237,583
Synthetic detergents	737,478

IMPORTS	£
Vitamins	75,716
Antibiotics	115,181
Alkaloids	64,176
Proprietary medicines	134,289
Unclassified medicines	324,227
Borax	60,188
Iodine	14,210
Menthol	25,726
Essential oils	
Bergamot	14,437
Citronella	15,159
Clove	17,873
Geranium	29,892
Lavender	46,013
Lemon	74,482
Orange	20,400
Peppermint	70,464
Unclassified	195,117

Tax Liability when a Partnership ends

WHEN, in 1952, an award of increased remuneration was made to medical practitioners under contract to Executive Councils, the inland revenue authorities in a certain area put in a claim for tax on the amount payable to a partnership of two doctors which had in the meantime ceased to exist. A judge in the High Court ruled that they were right to do so. The decision is one that may affect any business partnership, including, of course, partnerships between pharmacists. It means that, after a partnership has been dissolved, by death or otherwise, the partner who takes over the

assets of the business or practice may find himself saddled with his former partner's tax liabilities—not only his known liabilities, but also any further tax liabilities that may be discovered after the dissolution.

The situation is most likely to arise after the death of a partner. In due course, usually in less than a year, the deceased partner's assets are realised and distributed to his beneficiaries. Suppose that after that distribution has taken place the inland revenue authorities discover that the profits of the partnership have been under-assessed. They can correct it by raising additional assessments for six past years (longer in certain special circumstances). The dead man's share of the tax cannot be collected from his estate, partly because the executors have no funds, and partly because, having discharged their functions, they have no further responsibility. The amount certainly cannot be collected from the beneficiaries, unless on the basis of a goodwill arrangement by all the parties concerned. In such circumstances the inland revenue would look to the surviving partner or partners for payment of the whole tax due from the partnership.

The point may be of particular importance in circumstances in which surviving partners are buying out the share of a deceased partner by paying a capital sum to his estate. It might cause the surviving partners to offer less for the dead man's share than they would otherwise have done.

Onward from Galen

THE Association of Municipal Corporations is worried about the obsolete and inadequate rates of allowance paid to jurymen and has already urged the Home Secretary to bring in a new scale. A member of the Association stated recently: "The recent shift in the rateable value of property has made many shopkeepers and others liable for jury service and it is imperative that they should be able to do their duty without suffering personal loss." The view of magistrates and others in the legal world, who are also concerned that jurors should get more, is that, if a juryman is going to worry about his own financial problems at home and in his business he cannot give his undivided attention to the important points of the case before him. A shop-keeper who had been called to serve as a juror at the Old Bailey trial of Dr. Adams would have drawn his travelling expenses and a subsistence allowance of 7s. a day. Compensation for loss of earnings would have been not more than £1 10s. a day, and there would have been an overnight allowance (if he could not get home) of £1 7s. 6d. for each night away. Taking the trial at seventeen days, he would have drawn £5 19s. to cover lunch, tea, etc.; another sum for hotel and other night expenses; and, if able to claim the maximum sum, £7 10s. a week compensation. There could scarcely have been any "profit" on the subsistence and overnight allowances—more likely a loss—and the £7 10s. a week would not have paid for a deputy or met emergency expenses. It is expected that a definite move to secure better compensation will be made soon.

BROKEN RESOLUTIONS



To keep up to date with bottle washing.

★

THE "pewter object" illustrated in the *C. & D.*, March 30 p. 350, is in the possession of a Birmingham doctor, to whom it was given by a patient. It is to be hoped, if the object was what our caption hinted it might be, that the presentation was not intended to be symbolic. The doctor finds that the "object" makes a useful, if outsize, ashtray

NEW FILMS

Investigation Ipecac

FISON'S FILM LIBRARY, Harvest House, Felixstowe, Suffolk. 16-mm. Colour. Running time twenty minutes. Available on loan.

MADE by a member of the staff of Fison's, Ltd. ("parent" organisation of Whiffen & Sons, Ltd., manufacturers of emetine), the film depicts his travels in Brazil and Colombia during an investigation of the local collecting and marketing



of the ipecacuanha root, which grows in the jungles of the Matto Grosso. Whilst giving a good deal of information on the plant and the rather primitive methods by which it is collected and eventually exported, the film has a racy dialogue and abundant humour, making it ideal for inclusion in a film-evening programme of, say, a Branch of the Pharmaceutical Society. Would-be borrowers should write to the company's film library (address above). They will be sent a "request for films" form to fill up, together with a report form to be returned with the film.

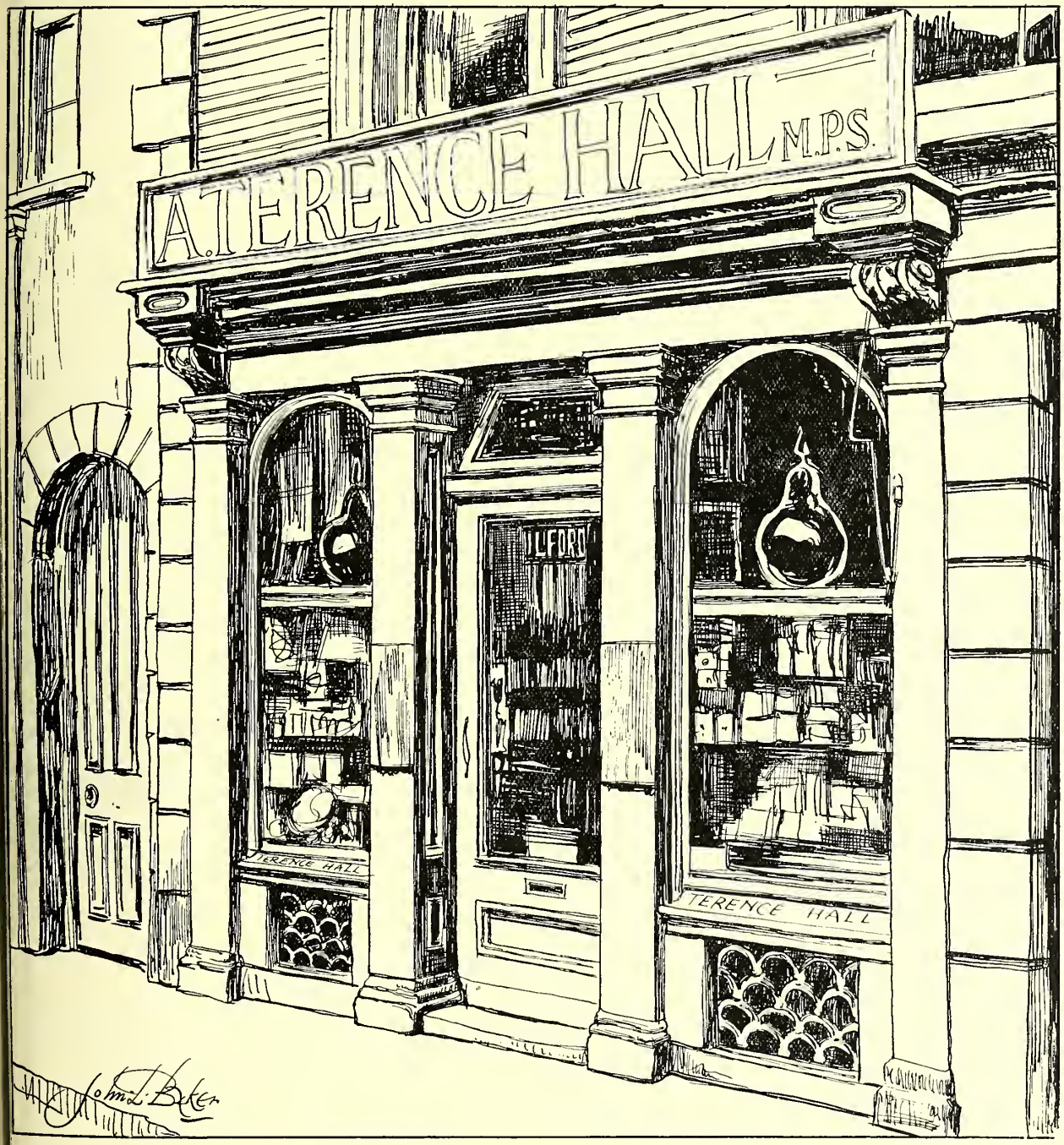
Nutrition in Pregnancy

NUTRITION INFORMATION CENTRE, *Vitamins, Ltd.*, Upper Mall, London, W.6. 35-mm. (available also in 16-mm. if specially requested). Colour animation. Running time 11 minutes. Free on loan.

PRODUCED for the company by Eothen Films with the co-operation of the Royal College of Midwives and British

Dietetic Association, "Nutrition in Pregnancy" is designed to be a teaching aid for instructing nursing mothers. A secondary aim is to assist pupil midwives and health visitors during their training. The method adopted has been the use of fully animated diagrams and drawings (i.e., without actors). The lessons of the film are the importance, from the beginning of pregnancy, of eating the right foods and how certain foods—for example proteins—need to be taken in greater quantity during the gestation period. By diagram and movement the film describes what various foods contain and what happens to them in the human body. It points out the "all-round" foods and indicates food supplements available to expectant mothers through antenatal clinics and commercially, laying special stress on the importance of the vitamins A, D. C. E and B. Finally it persuades the mother that, if she is going to breast-feed her baby, she must continue to eat the essential foods after the child is born.

PHARMACIES OF BRITAIN—58



THE PHARMACY OF A. TERENCE HALL, M.P.S., BROMSGROVE

The premises are about 200 years old although it was not until 1836 that they were first used as a pharmacy. Mr. Hall took over in 1936. The exterior is much as it was 100 years ago although it has been carefully repaired and painted in suitable colours to preserve its character. A feature of the interior is a horseshoe-shaped counter.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

SULMEZIL V tablets

MANUFACTURER: Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches.

DESCRIPTION: Tablets, each containing sulphadimidine, B.P. (Sulphamezathine), 0·5 gm. and phenoxymethyl penicillin (penicillin V) 60 mgm., as the calcium salt.

INDICATIONS: All infections caused by organisms sensitive to penicillin and the sulphonamides; pre- and post-operative prophylaxis in surgery and secondary bacterial infections in influenza and measles.

DOSAGE: *Adults and children,* initial dose, 4 tablets followed by 2 tablets at six hourly intervals; *Children aged four to nine,* 2 tablets followed by 1 at six hourly intervals; *infants up to four years,* 1 tablet followed by ½ at six hourly intervals. The above dosage may be modified to meet individual needs and in severe infections may be increased by half as much again.

HOW SUPPLIED: In containers of twenty-five, 100 and 500.

FIRST ISSUED: April 18, 1957.

REFERENCES: *J. Biochem,* 1948. **175.** 793. *Lancet,* 1946. **1.** 81. *Brit. med. J.,* 1955. **2.** 1028. *Ibid,* 1953. **1.** 806 and 953. *Lancet,* 1956. **2.** 328.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

Pre CORTISYL injectable

MANUFACTURER: Roussel Laboratories, Ltd., 843 Harrow Road, London, N.W.10.

DESCRIPTION: A sterile aqueous suspension of 2·5 per cent. (25 mgm. per mil) prednisolone acetate for local intra- or peri-articular injection.

INDICATIONS: *Intra-articular injection:* Rheumatoid arthritis, osteo-arthritis, acute attacks of gout (with colchicine, etc.), traumatic synovitis with effusion, intermittent hydrarthrosis. *Peri-articular injection:* Periarthritis of the shoulder, bursitis and tenosynovitis (non-infective), stenosing teno-vaginitis, epicondylitis, etc. May also be given intramuscularly for patients unable to undergo oral therapy.

DOSAGE: For *intra-articular injection,* usually 6–37·5 mgm. (0·25–1·5 mil) per injection, according to the size of the joint, repeated if required, after intervals of one to two weeks or more. For *extra-articular injection,* a single injection of 25 mgm. (1 mil) often suffices. To facilitate the injection, a local analgesic (e.g. 0·5–2 mils of 2 per cent. procaine) may be drawn into the syringe containing the pre Cortisyl injectable.

HOW SUPPLIED: In multidose vials of 1 and 5 mils.

FIRST ISSUED: April 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

SPARINE

MANUFACTURER: John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1.

DESCRIPTION: Yellow, orange or red TABLETS, each containing respectively 25, 50 or 100 mgm. of 10 (3'-dimethylamino-n-propyl) phenothiazine hydrochloride (promazine hydrochloride, a new phenothiazine derivative). SOLUTION FOR INJECTION: 2-mil ampoules (50 mgm. per mil).

INDICATIONS: Treatment of the acutely agitated or confused patient; management of acute alcoholism or drug addiction; control of nausea, vomiting or hiccoughing; potentiation of analgesics, hypnotics and anæsthetics; management of pain and other distressing symptoms of malignant disease.

DOSAGE: Amount, route of administration, and frequency of dosage should be governed by the degree of central nervous system excitation present and by the patient's response.

HOW SUPPLIED: TABLETS: Each strength in bottles of fifty and 250 tablets. AMPOULES: In box of ten 2-mil ampoules.

FIRST ISSUED: March 1, 1957.

REFERENCES: Viand, *J. Pharm. Pharmacol.,* 1954. **6.** 361. Fazekas, and others, *J. Amer. med. Ass.,* 1956. **160.** 46. Mitchell, *Ibid.,* 1956. **160.** 44.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

ISOLEVIN

MANUFACTURER: John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1.

DESCRIPTION: TABLETS, each containing 15 mgm. *l*-isoprenaline bitartrate; and SPRAY SOLUTION containing in each mil, 7·5 mgm. *l*-isoprenaline bitartrate.

INDICATIONS: Bronchospasm and bronchial asthma. Also of value to patients suffering from bronchitis with the commonly associated spasm of the bronchi. Isolevin may be combined with chemotherapeutic agents when administered in the form of aerosols.

DOSAGE: TABLETS: *Suggested,* 3 tablets in twenty-four hours or as directed. SPRAY SOLUTION: As directed.

HOW SUPPLIED: TABLETS: In bottles of twenty and 100. SPRAY SOLUTION: In vial of 10 mils.

FIRST ISSUED: March 1, 1957.

REFERENCES: Lands and others, *J. Pharmacol. exper. Ther.,* 1954. **111.** 469.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

Hydro CORTISYL skin spray

MANUFACTURER: Roussel Laboratories, Ltd., 843 Harrow Road, London, N.W.10.

DESCRIPTION: Pressurised solution containing hydrocortisone, 0·5 per cent.

INDICATIONS: Generalised eczemas, cutaneous allergic disorders, widespread contact eczematous dermatitis, chronic dermatitis.

USE: Bottle is held 12 to 18 in. from the affected part and solution sprayed momentarily on to the lesion, the bottle being moved so that the area is covered uniformly once only.

HOW SUPPLIED: In pressurised spray bottle of 100 mils.

FIRST ISSUED: January 1957.

NOTES: The product is inflammable, and should not be used near a naked flame.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

BIOTEXIN*

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Tablets, each containing 125 mgm. novobiocin (as the water-soluble monosodium salt).

INDICATIONS: Infections caused by susceptible organisms, especially staphylococci resistant to other antibiotics.

DOSAGE: *Usually,* 1 gm. initially, followed by 0·5 gm. twice daily. *Alternatively,* 250 mgm. can be given four times daily or 1 gm. once a day. *For children,* a dose of 5 mgm. per kilo body weight every eight hours has been suggested. Higher doses are seldom necessary.

HOW SUPPLIED: In bottles of thirty-two and 100 tablets.

FIRST ISSUED: February 1957.

REFERENCES: *Antibiot. Med.,* 1956. **2.** *Lancet,* 1956. **2.** 563.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

ULTRACORTEN-H

MANUFACTURER: Ciba Laboratories, Ltd., Horsham, Sussex.

DESCRIPTION: Tablets, each containing 1 mgm. or 5 mgm. prednisolone.

INDICATIONS: Bronchial asthma, rheumatic and arthritic conditions, allergic and pruritic skin disorders. Most conditions for which cortisone and hydrocortisone are indicated except adrenocortical insufficiency,

DOSAGE: *Adults:* 20–50 mgm. initially gradually reducing after a few days according to response. Maintenance dosage varied between 5 and 20 mgm. daily. See maker's literature.

HOW SUPPLIED: In bottles of twenty-five, 100 and 500.

FIRST ISSUED: April 1, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

CORTIBIOTIC skin ointment

MANUFACTURER: Roussel Laboratories, Ltd., 843 Harrow Road, London, N.W.10.

DESCRIPTION: Ointment containing Soframycin, 1·5 per cent. and prednisolone, 0·5 per cent. in a bland water-miscible base.

INDICATIONS: Infective eczematoid dermatitis, otitis externa, intertrigo, infected angular stomatitis, chronic perionychia; secondarily infected pruritic lesions and eczemas, contact dermatitis, etc.; and especially when the diagnosis between skin infections and eczema is difficult.

USE: Crusts or scales are first removed and a minimal quantity of ointment spread on the affected area; gentle massage facilitates penetration; sterile dressing is applied. Repeated two or three times daily initially, and once daily for maintenance. Cleansed with tepid saline before fresh application.

HOW SUPPLIED: In tubes of 5 and 15 gm.

FIRST ISSUED: April 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

ALBAMYCIN*

MANUFACTURER: Upjohn of England, Ltd., Crawley, Sussex.

DESCRIPTION: Sugar-coated tablets, each containing 250 mgm. novobiocin and pædiatric syrup containing 125 mgm. in each 5 c.c.

INDICATIONS: Infections caused by susceptible organisms, especially staphylococci resistant to other antibiotics.

DOSAGE: *Adults,* 500 mgm. every twelve hours; *children,* 15 mgm. per kilo body weight per day, usually in two equal doses.

HOW SUPPLIED: TABLETS: In bottles of sixteen and 100; SYRUP: In 2-oz. bottle. FIRST ISSUED: February 1, 1957.

REFERENCES: *Antibiot. Med.,* 1956. **2.** *Lancet,* 1956. **2.** 563.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

CATHOMYCIN*

MANUFACTURER: Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Tablets each containing the equivalent of 250 mgm. novobiocin (as the sodium salt).

INDICATIONS: Infections caused by susceptible organisms, especially staphylococci resistant to other antibiotics.

DOSAGE: *Adults,* 500 mgm. (2 tablets) every twelve hours, taken on an empty stomach. Higher doses, to a maximum of 2 gm. (8 tablets) daily may be required for unusually severe or resistant infections. *Children,* 10 mgm. per lb. of body weight per day given in divided doses. In severe infections that dosage may be increased to 20 mgm. per lb. of body weight per day, in divided doses.

HOW SUPPLIED: In bottle of sixteen.

FIRST ISSUED: February 18, 1957.

REFERENCES: *Antibiot. Med.,* 1956. **2.** *Lancet,* **2.** 563.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

NOVOBIOCIN, Boots*

MANUFACTURER: Boots Pure Drug Co., Ltd., Station Street, Nottingham.

DESCRIPTION: Sugar-coated tablets containing 250 mgm. novobiocin.

INDICATIONS: Infections caused by susceptible organisms, especially staphylococci resistant to other antibiotics.

DOSAGE: The usual dose is 250 mgm. six-hourly, but that may be increased to 2 gm. or more daily if necessary. Children may receive 15–30 mgm. per kilo of body weight daily.

HOW SUPPLIED: In bottles of sixteen and 100.

FIRST ISSUED: February 1, 1957.

REFERENCES: *Antibiot. Med.,* 1956. **2.** *Lancet,* 1956. **2.** 563.

Cross reference for card index:

NOVOBIOCIN: See Albamycin; Biotexin; Cathomycin; and Novobiocin, Boots.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

NOV-ALOCOL

MANUFACTURER: A. Wander, Ltd., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1.

DESCRIPTION: TABLETS each containing aluminium hydroxide, 0·375 gm., magnesium hydroxide, 0·125 gm.; and POWDER composed of the two active ingredients in weight ratio of 3 to 1 respectively.

INDICATIONS: Hyperchlorhydria and its manifestations including heartburn, acid dyspepsia, gastric and duodenal ulcers.

DOSAGE: TABLETS: 1–2 tablets chewed thoroughly half an hour before and half an hour after meals, or as directed; POWDER: 2 level teaspoonfuls in half a cupful of water as a draught, half an hour before and half an hour after meals, or as directed.

HOW SUPPLIED: TABLETS: In bottle of fifty and in dispensing packs of 250 and 500. POWDER: In carton of 100 gm.

FIRST ISSUED: May 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

STEMETIL

MANUFACTURER: Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex.

DESCRIPTION: TABLETS, each containing 5 mgm. and SUPPOSITORIES, each containing 25 mgm. 2-chloro-10-(3-4′-methyl-1′-piperazinylpropyl)phenothiazine dimaleate.

INDICATIONS: Labyrinthine syndromes, migraine, tension-headache, vomiting.

DOSAGE: *Migraine and tension-headache:* 20 mgm., followed (if necessary) by 10 mgm. two hours later. *Prevention of attack:* 10 mgm. night and morning. *Other indications:* ORALLY: 15–30 mgm. daily in 3 divided doses immediately before meals. SUPPOSITORIES are used when oral treatment is impracticable. Further dosage (if required) is reduced after three or four weeks to 10–15 mgm. daily.

HOW SUPPLIED: TABLETS: In containers of twenty-five and 250. SUPPOSITORIES: In box of five.

FIRST ISSUED: April 8, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

SONERGAN

MANUFACTURER: Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex.

DESCRIPTION: Tablets, each containing 75 mgm. butobarbitone, B.P. (Soneryl) and 15 mgm. promethazine hydrochloride, B.P. (Phenergan).

INDICATIONS: Insomnia, particularly that due to minor mental and emotional disturbance, specially in pre-operative preparation and post-operative sedation, where the additional anti-emetic effect of the promethazine is valuable.

DOSAGE: *Preparation for anaesthesia:* Adults: 2 or more tablets on the night or nights prior to operation. *Post-operative sedation:* 1–2 tablets night and morning. *Sedation and hypnosis:* 1 tablet with warm sweetened drink shortly before retiring.

HOW SUPPLIED: In containers of fifteen and 500.

FIRST ISSUED: April 1, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (June 1, 1957)

CATHOPEN

MANUFACTURER: Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Tablets, each containing Cathomycin (sodium novobiocin), 125 mgm. and potassium penicillin G, 125,000 units.

INDICATIONS: Infections caused by organisms susceptible to novobiocin and/or penicillin.

DOSAGE: *Adults,* 2 tablets four times daily; *children,* 2–8 tablets daily in divided doses, depending on weight (10 mgm. novobiocin per lb. body weight).

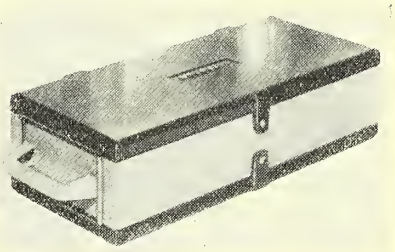
HOW SUPPLIED: In bottles of sixteen and 100.

FIRST ISSUED: March 1, 1957.

PHOTO FAIR 1957

(*Concluded from* THE CHEMIST AND DRUGGIST, *May* 18, *p.* 547)

Also numerous were the varieties of slide mounts and boxes. Paterson slide mounts (R. F. HUNTER, LTD., 51 Gray's Inn Road, London, W.C.1), introduced at the Fair are quite different from any so far encountered. The glasses and the transparency slide into a frame open at one end, that assembly being snapped into an outer frame. They are exceedingly easy to load. Special paper masks are available to prevent Newton's rings. The Paterson slide box is also of unusual design. A plastic box, it has two "lids" and the slides are inserted in slots — not "combed" racks — with flared mouths to facilitate insertion so that the slides are as it were interleaved from top and bottom. There is a carrying handle moulded integrally with the body of the box.



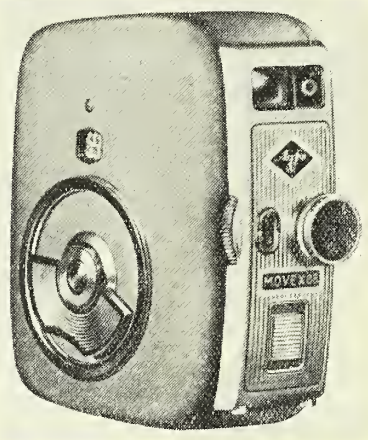
Paterson 100 slide box.

Another ingenious slide storage cabinet was shown by J. R. DISTRIBUTING CO., 55 Tower Bridge Road, London, S.E.1. It has six drawers with a special carrying case which accepts any drawer from the unit. Price: £8 8s. The company offer a wide range of styles and capacities of slide boxes.

Although not a dealer line, an illuminated cabinet to show transparencies for window or counter display purposes and which was shown by PELLING & CROSS, 104 Baker Street, London, W.1, deserves mention here. Known as the PREFECT it accepts transparencies up to 8 x 10 in., horizontally or vertically, and is illuminated by instant start cold-cathode lighting, daylight matched. Masks for whole-plate, half-plate and 4 x 5 in. are supplied and provision is made for clipping the masks to the back of the viewer when not in use. Price: £21; model with 4-stage dimmer: £24.

Cine

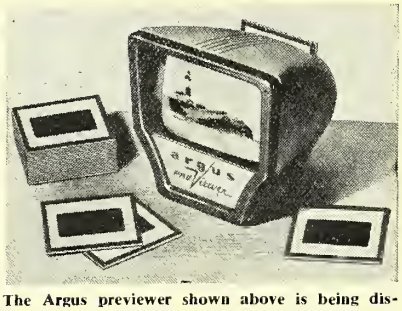
Evidence of the increasing popularity of amateur movies was also abundant. New 8-mm. cameras were shown by W. F. DORMER, LTD., Florence Street, London, N.W.4 (the Admira; Luminos; Norris 8D); J. J. SILBER, 51 Avenue Chambers, Vernon Place, London, W.C.1 (Cima and AK8, which has provision for rewind to enable dissolves to be made in the camera—not usually found on 8-mm. machines); AMPLION (1932), LTD., 175 Cricklewood Lane, London, N.W.2 (Beaulieu and Christen); ACTINA, LTD., 10 Dane Street, London, W.C.1 (Miller); PULLIN OPTICAL CO., LTD., 93 New Cavendish Street, London, W.1 (Nizo, including a new Nizo Exposomat which takes Kodak magazines); RANK PRECISION INDUSTRIES, LTD., 37 Mortimer Street, London, W.1 (a new Sportster with trilens turret); AGFA (Movex 88); JOHNSONS OF HENDON, LTD., Hendon, London, N.W.4 (Eumig including a prototype of a new attractively styled and versatile 16-mm. camera, the C 16). But perhaps the outstanding recent development in 8-mm. cine was shown in the various systems for adding sound.



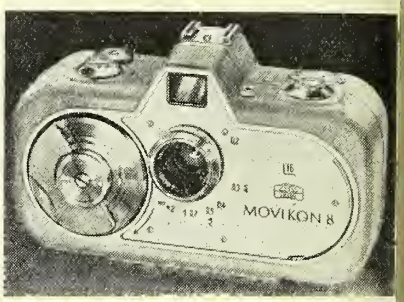
Agfa Movex 88 narrow-gauge camera to take double-eight spool.

MICROTECNICA FILM EQUIPMENT, 9 Southampton Place, London, W.C.1, had a comprehensive display of 8-mm. sound equipment from the de luxe COMETSON, a 500-watt magnetic strip machine with amplifier, microphone and speaker at £135, to the compact little ASTRO silent machine — silent in two ways, that is non-sound-reproducing and very quiet running due to its nylon gears. A development of the Astro, the NILO, and a more advanced model, the MISSOURI are fitted with very efficient 8-volt, 50-watt lamps, cool working and half-silvered. They certainly produce an amazing amount of light for their consumption.

Interest in the stand seemed to be concentrated on the CIRCE-VOX attachments, 8- and 16-mm. models, which are inserted in the feed spool arms of any machine to convert it to a magnetic recording and reproducing machine. Films have to be striped for use with the attachments. The quality and volume of sound attainable is truly amazing since the stripe on an 8-mm. film is but 0·8 mm. wide. Prices: 8 mm., £61 19s., 16 mm., approximately £78 15s.

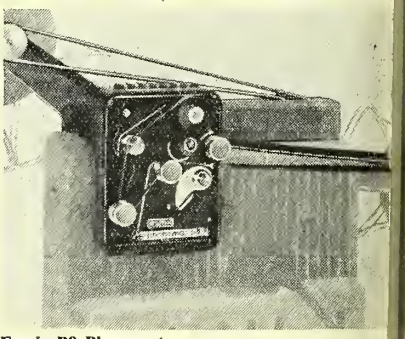


The Argus previewer shown above is being distributed by Hanimex (U.K.), Ltd., 407 Hornsey Road, London, N.19, and not as previously stated.



The new four-speed Zeiss Ikon Movikon 8 cine camera. Agents are Peeling & Komlosy, 181 Victoria Road, Dunstable, Beds.

Several devices to link tape recorders with projectors also received a full quota of attention. They were the EUMIG PHONOMAT (JOHNSONS OF HENDON, LTD., Hendon, London, N.W.4), Norris SYNCHRONER (LUMINOS, LTD., 41 Belsize Lane, London, N.W.3), both designed for specific machines and the Bolex SYNCHROMAT (CINEX, LTD., North Audley Street, London, W.1) adapted to operate with the Bolex M8R. SPECTO, LTD., Vale Road, Windsor, Berks, were showing their new speed controller which can be fitted to any Specto projector. NEVILLE BROWN & CO., LTD., 77 Newman Street, London, W.1, had the Bauer sound couple linked to the Bauer projectors so that it can be said that sound for the 8-mm. worker has really arrived.



Eumig P8 Phonomat.

Before leaving the subject of magnetic recording, one new departure in machines must be mentioned. There were, of course, a number of tape recorders on show — large professional equipment and domestic versions—but considerable interest was concentrated throughout the show in the SELECTOPHON T5 being imported by APPARATUS & INSTRUMENT CO., LTD., Vine yard Path, Mortlake, High Street, London, S.W.14. Packed into an attractive carrying case is a three-speed tape recorder, three-speed record player and public address amplifier. Not only will it play records but will record from them with the speaker playing or muted. The ingenious feature is that the tape is 35-mm. wide and endless

Seventy endless tracks can be recorded and any particular track can be located in a few seconds. The tapes are supplied in boxes simulating books, one end of which serves as an index to the recordings. As a recorder only, it is priced at £79 16s.; a suitable directional microphone costs £8 8s. and an omni-directional one £6 6s.; the record-playing arm costs a further £6. Tape A is 12·6 metres long and will play for seventy, 120 or 230 minutes, according to speed. It is priced at £3 (one is supplied with the equipment). Tape B, at £4 10s., is sufficient for 120/210/270 minutes playing while a special tape (C) runs for six hours at the slowest speed and costs £4 19s.

Colour was well to the fore. Unfortunately the giant Agfacolor transparency had to be removed in the interests of safety. Sets of colour slides were shown by PEAK FILM PRODUCTIONS CINE & PHOTOG, 37 Devonshire Street, London, W.1, and WALTON SOUND & FILM SERVICES, 282A Kensington High Street, London, W.14.

A new colour film by Adox was shown by LUMINOS, LTD., 45 Belsize Lane, London, N.W.3, who are making arrangements for processing facilities in this country. At present films are being sent to Germany.

There, then, is a summary of the highlights of the 1957 Photo Fair. Even to catalogue all the auxiliary equipment shown would occupy many pages. Much of it is well known to the trade. Now it has been seen and handled by the public it is certain that a demand has been stimulated.

FRENCH LECTURERS IN BRITAIN

Summaries of their addresses

SUMMARIES of the lectures delivered by the French visitors who recently toured this country under the auspices of the Franco-British Pharmaceutical Commission (see *C. & D.*, May 11, p. 503) are given below.

MADAME R. BERNARD-FAUGOUIN spoke on "The Rôle of the French Pharmacist in the Field of Analysis." She said:

Analytical Work A Speciality

The French pharmacist has specialised in analytical work for a long time. He has done that to satisfy himself that the medicaments which he keeps in stock are pure and to study the biological, chemical and cytological composition of human liquids and secretions, both healthy and pathological. The French pharmacist also takes his part in the analytical examination of human and animal foods, of drinking waters or water effluents as well as in the examination of the air and of the soil. But such a list is by no means exhaustive. Over and above work such as this, the holder of a pharmaceutical diploma can become the adviser of public or private health authorities. He can, for example, give advice on the analytical appreciation of a whole group of varied products and materials: tissues, metals, building materials, paints and pigments and the rest.

A detailed examination of the syllabus covered in the schools of pharmacy discloses that every side of analytical work in all its fields is covered by the young pharmacist. Analytical chemistry is the foundation of the analytical activities of the practising pharmaceutical analyst. Microbiology is the second foundation for the pharmacist's analytical knowledge. Pharmacodynamics (the action of drugs) is one of the indispensable subjects of the pharmaceutical curriculum. Applied zoology and biological chemistry are also studied. Other subjects covered are hydrology, the study of water; public health; and toxicology. Certificates of higher studies can also be obtained. They give an opportunity to students to acquire a very deep knowledge in the field of analytical techniquc. In practice every retail pharmacist undertakes in his pharmacy a certain amount of elementary analysis, mainly chemical. He has a laboratory, however small it may be, where he undertakes at least the examination of urine for sugar and albumen and the determination of urea, cholesterol and glucose in the blood. 1,550 of the 15,000 retail pharmacists have a morc substantial laboratory where they can undertake practically all the analyses which the doctors ask of them. By contrast, about 700 pharmacists have no pharmacy but conduct solely an analytical laboratory.

Blood Products

PROFESSOR R. MONNET chose as his subject "Blood Products of Human Origin Employed in Therapeutics." He said:

Stored blood is blood to which an anticoagulant solution has been added which will assure its stability for several days, so long as it is maintained at a temperature of 5° Centigrade. Plasma is the product obtained when all the structural elements which blood contains have been abstracted from it. It differs from serum by reason of the presence of fibrinogen. Dried plasma is prepared by lyophilisation of citrated liquid plasma. By that method of drying, the water is removed at a temperature at which all biochemical reaction is practically brought to a standstill. Dried plasma will keep for several years without special precautions so long as temperatures above 45° Centigrade are avoided. After redissolving in the fixed quantity of isotonic solution of sodium chloride or of apyrogenic distilled water it should be injected immediately. The name "antihemophilic plasma" is given to a dry plasma prepared from virtually fresh blood collected within less than forty-eight hours. Such a product will rctain the coagulant properties of fresh plasma for a good many years. Its use is restricted to combating serious bleeding in hemophilic subjects and to the treatment of certain hæmorrhagic syndromes.

Normal serum, utilised in Great Britain both in the liquid and in the dried state, is not made in France. But use is made of anti-toxic or anti-microbial sera. Blood transfusion centres deliver specific sera obtained from the blood of patients convalescing from poliomyelitis, small-pox or other ailments suitable for prophylaxis by sera or by the attenuation of sera of corresponding infections. Administration is by subcutaneous or intramuscular route. In France a private establishment may be authorised to manufacture an anti-whooping cough serum from the blood of donors specially hyper-immunised.

After centrifuging fresh blood in order to separate the plasma there remains a globular layer which can be used in concentrated supension, or after the plasma has been removed by washing with a sterile isotonic solution of sodium chloride. Such preparations can be kept only for short periods. Their employment is indicated in anæmic conditions. They are administered by the intravenous route.

Albumin or serumalbumin is the plasmatic protein of which the speed of electrophoretic migration is the greatest at *p*H 8·6. It keeps for several months.

Gamma-globulins are defined as plasmatic proteins of which the electrophoretic speed of migration is slowest at *p*H 8·6. They are peculiarly important as the essential support of immunity factors. They are obtained from plasma, from serum and from the blood of the human placenta.

Fibrinogen is a fraction of plasmic proteins containing at least 40 per cent. of fibrinogen coagulable by thrombine. It is obtained from fresh plasma by delicate techniques and is standardised by determining the weight of dried fibrin formed by coagulation. It is storable for several months. When used it is extemporaneously dissolved in apyrogenic distilled water and is injected without delay by the intravenous route. That protein has considerable value in serious hemorrhagias of the acute afibrogenic type, in obstetrics and in surgery.

Not Simple Medicaments

Products from blood of human origin are not considered in France as simple medicaments. With the exception of the placental gamma-globulins and sera from hyper-immunised subjects collected in private establishments specially licensed, they are preparcd and sent out by the *Centre national* and the *Centres régionaux et départementaux de Transfusion Sanguine* which are either State or municipal undertakings. Only six centres are authorised to prepare all the derivatives of blood. Ten others can collect stored blood, liquid and dried plasma and red corpuscles but they may not undertake the fractionation of plasma. Departmental centres and hospital and muncipal units have limited activities, dependent upon an authorisation from the Ministry of Health.

It is by co-ordinating delicate physico-chemical and biological researches with numerous clinical observations that the specialists in blood transfusion have come to understand how products derived from blood may be prepared on a semi-industrial scale and have been able to determine the conditions of their use in medicine. It is probable that those investigations which have been relentlessly pursued over the whole world, will eventually achieve the practical isolation and purification of new protein fractions, either plasmatic or corpuscular, for which medico-surgical uses can already be foreseen.

BRITISH INDUSTRIES FAIR

Birmingham show larger than in 1956

FOR the first time the British Industries Fair was held entirely at Birmingham, May 6–17. Commenting on that development, MR. E. M. CLAYSON (chairman, B.I.F. executive subcommittee) said that the space taken by exhibitors was greater than in 1956. That justified the belief of Birmingham Chamber of Commerce (at the time the Government withdrew financial support and decided to close the London section of the Fair) that British industry needed a general exhibition for its goods, quite apart from the successful specialised exhibitions that had grown up in recent years.

Few of the exhibits had any direct connection with the pharmaceutical industry, bearing out Mr. Clayson's statement that the Fair was "still firmly based on the four pillars of hardware, building, electrical and engineering."

Exhibits

B. U. SUPPLIES AND MACHINERY CO., LTD., Law Street, Leicester, demonstrated a prototype model of the Hytronic cutting machine which may be used for cutting out plasters, etc.

A "heavy-duty" cleaner, Boraxo, was shown by BORAX CONSOLIDATED, LTD., Carlisle Place, London, S.W.1. It is claimed to be suitable for hospitals and colleges in addition to industry. The action to remove ingrained dirt or grease is provided by small grains of borax which dissolve slowly as the hands are washed, and break up the dirt "film" allowing the soap to cleanse. A dispenser with metering device is available.



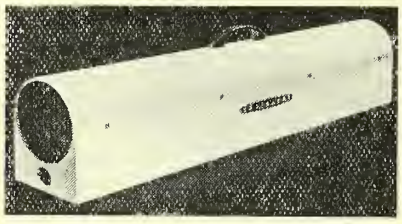
Boraxo "dispenser"

A picnic set for four people packed in a school-type satchel was shown by the HALEX DIVISION OF BRITISH XYLONITE CO., LTD., Highams Park, London, E.4.

Among the natural and synthetic rubber products for use in industry shown by DUNLOP RUBBER CO., LTD. (General Rubber Goods Division), Cambridge Street, Manchester, 1, was Fortiflex. Fortiflex is claimed to combine the softness and handling qualities of rubber with the toughening elements of phenolic resins. It is non-corrosive, unbreakable and acid-resisting and is available as drums, bins and trays.

IMPERIAL CHEMICAL INDUSTRIES, LTD., METALS DIVISION, Kynoch Works, Witton, Birmingham, 6, illustrated the advantages of titanium in chemical plant. The PLASTICS DIVISION, Black Fan Road, Welwyn Garden City, Herts, showed Melinex polyester film for packaging purposes.

A new air steriliser, the Easiclene,



was introduced by EASICLENE PORCELAIN-ENAMEL (1938), LTD., Darlaston, Wednesbury, Staffs. Ultra-violet radiation is used to render inactive airborne bacteria. The Easiclene is portable.

The Mayfair personal weighing machine (GEO. SALTER & CO., LTD., West Bromwich, Staffs) was shown in its restyled form. It has a revolving dial under a circular magnifying lens and a new central platform motif. The adjusting screw has been moved to the front of the base.

WILLIAM SESSIONS, LTD., Ebor Press, York, showed a wide range of printed display aids including a new device, the Adspin, which is an easily assembled one-piece hanging display which constantly spins. It is actuated by even the slightest of air currents.

THERMOS (1925), LTD., Seymour Road, Leyton, London, E.10, showed vacuum jugs with polystyrene handles and stoppers, and the large (36 fl. oz.) Thermos flask with handle — an improvement suggested by a Chinese customer!

Among other exhibitors were:— AUTOPACK, LTD., Caroline Street, Birmingham, 3 (packaging machinery); W. & T. AVERY, LTD., Soho Foundry, Birmingham, 20 (scales); COUNTY CHAMOIS CO., LTD., Rocky Lane, Aston, Birmingham, 6 (chamois leather); P. B. COW & CO., LTD., 12 Hay Hill, London, W.1 (Airflow hot water bottles, Sorbo sponges). JARRETT, RAINSFORD & LAUGHTON, LTD., Warstock Road, Birmingham, 14 (Twinco plastic wares, Slideaway clothes brush); NEW HYGIENE, LTD., 266 Holloway Road, London, N.7 (Scentinel air fresheners); PRECISION ENGINEERING CO. (READING), LTD., Meadow Road, Reading (Waymaster scales); ROZALEX, LTD., 10 Norfolk Street, Manchester 2 (barrier and skin creams); W. R. SWANN & CO., LTD. Penn Works, Owlerton Green. Sheffield, 6 (Swann-Morton surgical blades and handles and the Trimacorn corn plane); WILKINSON SWORD, LTD., Southfield Road, London, W.4 (Sword Edge razor blade).

NOTES ON NEW MEDICAMENTS

Comments on items given in Guide to New Medicaments (p. 596), especially to show their relationship—pharmacological or chemical—with other products or compounds.

ISOLEVIN. — *Chemistry*: Laevo-isopropyl-noradrenaline bitartrate. This is one of the two isomers present in isoprenaline, which is a racemic mixture. The laevo-form exhibits a higher degree of bronchodilatory power than the parent compound or the dextro isomer, and is therefore effective in lower dose. That increase in activity is associated with reduced side-effects, following the elimination of the less active but more toxic dextro isomer (laevo-adrenaline is also much more active than its dextro isomer). Preparations of isoprenaline include Neo-Epinine, Neodrenal, Norisodrene and Isupren. Mixtures of isoprenaline with other bronchodilators and antispasmodics are represented by Fydal, Fydalex and Isobronchisan.

NOVOBIOCIN. — An antibiotic derived from *Streptomyces spheroides*. This is acidic in nature, and is usually issued as the sodium salt. Novobiocin has a powerful action against many Gram-positive organisms, particularly the staphylococci. That effectiveness extends to organisms resistant to other antibiotics, and the drug should be reserved for the treatment of infections due to such organisms. Novobiocin is rapidly absorbed orally, but it does not penetrate into the cerebrospinal fluid, and so is not suitable for the treatment of staphylococcal meningitis. Proprietary names for sodium novobiocin include Albamycin, Cathomycin, Biotexin. Albamycin calcium is a preparation of the calcium salt of novobiocin. The drug may show synergistic effects when used in conjunction with other antibiotics, and Cathopen is a product containing sodium novobiocin with penicillin.

SPARINE. — *Chemistry*: 10-(3'-dimethylaminopropyl)-phenothiazine hydrochloride. This compound is a tranquillising drug basically similar in action to chlorpromazine, from which it differs chemically in the absence of a chlorine atom in the 3– position. Other tranquillising drugs with a phenothiazine nucleus include Largactil (chlorpromazine), Notensil (acetylpromazine), and Pacatal [N-methyl-piperidyl-(3-methyl)-phenothiazine]. Covatin, although a sulphur-containing compound with cyclic groups, has no relationship with the phenothiazine derivatives. Other tranquillising drugs include benactyzine (Cevanol, Lucidal, Nutinal, Suavitil), hydroxyzine (Atarax), and meprobamate (Equanil, Mepavlon, Miltown).

NOV-ALOCOL. — Contains magnesium and aluminium hydroxides, designed to secure adequate neutralisation of gastric acidity, without permitting the *pH* to rise above 4. Aludrox and Alocol are preparations of aluminium hydroxide alone; Aluphos contains aluminium phosphate; Neutradonna represents aluminium sodium silicate with belladonna; Nulacin contains malted milk together with the antacids magnesium oxide, magnesium trisilicate and calcium carbonate.

STEMETIL.—*Chemistry:* 1-(3-(3-Chloro-10-phenothiazinyl)-propyl)-4-methyl-piperazine dimaleate. This differs from chlorpromazine by the substitution of a 4-methylpiperazine group for a dimethyl amino group. That change in structure is associated with an enhancement of the anti-emetic properties, and a reduction in most of the other properties characteristic of chlorpromazine. Other compounds derived from phenothiazine include Notensil (acetylpromazine), Sparine (promazine), chlorpromazine (Largactil, also known as Thorazine in the United States) and Pacatal. Promezathine (Phenergan) although derived from phenothiazine, is an antihistaminic, and has few of the tranquillising effects associated with the promazine compounds.

AMERICAN LISTED DRUGS

The American Medical Association's Council on Drugs has recently evaluated the following products:—

CYCLOSERINE. — D-4-Amino-3-isoxazolidinone. —Data supplied by: Eli Lilly & Co. Proprietary name: Seromycin.

PIPENZOLATE METHYLBROMIDE.—1-Ethyl-3-piperidyl benzilate methylbromide. Data supplied by: Lakeside Laboratories, Inc. Proprietary name: Piptal.

PHENMETRAZINE HYDROCHLORIDE. — 3-Methyl-2-phenyl-morpholine hydrochloride. Data supplied by: Geigy Pharmaceuticals, Division of Geigy Chemical Corporation. Proprietary name: Preludin.

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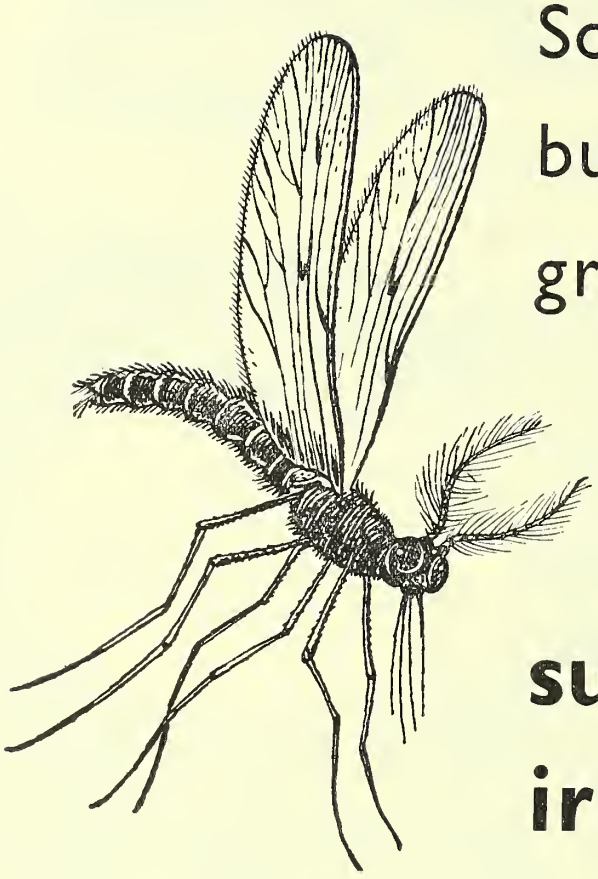
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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 29: There were relatively few price changes in the markets during the week and trading was seasonally quiet. A few parcels of Colombian and Matto Grosso IPECACUANHA were offered for shipment after an absence of several weeks but Nicaragua and Costa Rica were still not offering.

Prime Cape ALOES were slightly easier at 315s. per cwt., c.i.f. Also lower was GUM ACACIA at 123s. per cwt., c.i.f. (down 9s. 6d.). Holders of HONEY shaded their prices in an endeavour to create interest although supplies are believed to be inadequate to meet any sizeable order that may be required urgently. New-crop CANADA BALSAM was offered for June–July shipment at 26s. per lb., c.i.f., and French GENTIAN which has not been quoted from origin for months was on offer at what was regarded as a high price, thus spot holders advanced their quotations by 15s. per cwt. Apart from African GINGER which was down by 5s. per cwt. on the spot other varieties were unchanged. The price range of Alexandrian SENNA PODS was extended by one shilling. In AROMATIC SEEDS, CUMIN remained firm but Moroccan CORIANDER was easier with the approach of new material. Brazilian MENTHOL for shipment was lower by ninepence per lb. but other quotations were substantially the same as in the previous week. MERCURY was 10s. per flask dearer on the spot while all grades of SHELLAC were easier with buying interest temporarily lacking.

In ESSENTIAL OILS Bourbon GERANIUM remained a firm market and there was a slightly harder tendency displayed by LEMON. Elsewhere such price changes as occurred were in a downward direction and included LAVANDIN (down one shilling), Chinese PEPPERMINT (threepence), SPEARMINT (3s.), West African ORANGE (one shilling) and LEMONGRASS and Chinese ANISE (both down three-halfpence per lb.).

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d. Powder is 1d. per lb. more.

ACETIC ANHYDRIDE. — 10-ton lots are quoted at £134 per ton, delivered U.K. in returnable drums; 1-ton lots, £136.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 13s. 3d.

ATROPINE. — Rates (per oz.) for 16-oz. lots are: ALKALOID, 23s. 6d.; SULPHATE, 19s. 6d.; METHONITRATE, 26s. 6d.; METHYLBROMIDE, 25s. 6d. Quotations for 1-oz. lots are 1s. 6d. above those rates.

BORAX.—Rates for B.P. grade for quantities of 1-ton and upwards are as follows:—Granular, £54; crystals, £56 10s.; powder, £57 10s.; extra fine powder, £58 10s. per ton. Prices of commercial range from £44 to £46 10s. per ton, as to type and packing. Dehydrated borax is £66 per ton in paper-lined hessian bags or £65 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5-cwt., 1s. per cwt.; 3-cwt., 2s.; 1-cwt., 3s.

BORIC ACID. — Prices (per ton) for B.P. grade in quantities of 1 ton and upwards are as follows:—Granular, £87 10s.; crystal, £94 10s.; powder, £92; extra-fine powder, £94 per ton, in lined hessian bags carriage paid in Great Britain.

CALCIUM CARBONATE. — B.P. light-precipitated powder is £29 per ton, ex store. Minimum 1-ton lots.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 4s. 3d. per lb.

CHLOROXYLENOL.—B.P. quality is 5s. 3d. per lb. for 1 cwt. lots and 5s. 1d. for 10-cwt.

GUAIACOLS. — LIQUID, B.P. is 16s. 3d. per lb. for 28-lb. lots; CRYSTALS, 16s. 9d.; CARBONATE, 18s. 3d.

KAOLIN.—In 1-cwt. bags LIGHT is quoted at 60s. per cwt. and 1-ton lots at 57s.

MAGNESIUM CARBONATE.—Minimum bulk rate for LIGHT is 121s. per cwt.; HEAVY is 160s. per cwt. for 5-cwt. lots and about 135s. per cwt. for 1-ton lots, delivered U.K.

MAGNESIUM OXIDE, B.P. — Bulk rates are as follows:—LIGHT, 3s. 3d. per lb., and HEAVY, 5s. 10d. per lb.

PILOCARPINE. — In 2½-kilo lots prices are: HYDROCHLORIDE, 996s. per kilo; NITRATE, 890s.

PIPERAZINE.—CITRATE is 47s. 6d. per lb. and ADIPATE, 42s.

POTASH SULPHURATED. — Lump, B.P.C., is 2s. 4d. per lb. in 1-cwt. lots.

POTASSIUM ACETATE. — B.P. is 3s. 3d. per lb. in 1-cwt. lots.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P., is 1s. 6d. per lb.

RESORCINOL. — 1-cwt. lots are now quoted at 13s. per lb. by manufacturer.

SALICYLAMIDE. — Price (per lb.) for 1-cwt. lots is 8s. 6d.

SALICYLIC ACID. — Prices are now: 5-cwt. lots in bulk, 3s. 0½d. per lb.; 1-cwt., 3s. 2½d.

SALOL.—Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

SEMICARBAZIDE HYDROCHLORIDE.—Technical grade is 19s. per lb. for 1-cwt. lots.

SILVER SALTS. — NITRATE (1,000-oz. lots), 4s. 5½d. per oz.; PROTEIN, 36s. 3d. to 42s. 9d. per lb.; VITELLIN from 68s. 6d. to 76s. 6d. per lb. as to quantity.

SODIUM THIOSULPHATE.—Makers' price for 1-ton lots in paper-lined bags is £33 15s. per ton.

STILBOESTROL. — 1-kilo lots of B.P. and DIPROPIONATE are 730s. per kilo.

SULPHOCARBOLATES. — SODIUM PHENOLSULPHONATE, B.P.C., 1949 (powder) is 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

SULPHUR. — B.P. PRECIPITATE in 1-ton lots is £112 10s. per ton, delivered U.K.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. 3½d. to 5s. 2d. per lb.

TERPINEOL. — Prices of B.P. grade are from 3s. to 3s. 6d. per lb., as to quantity.

TERPIN HYDRATE. — Prices are from 6s. per lb., upwards as to quantity.

THEOBROMINE. — ALKALOID is from 25s. 6d. to 26s. 6d. per lb. and SODIUM SALICYLATE, 22s.

THEOPHYLLINE.—1-cwt. lots of ALKALOID, ANHYDROUS, are quoted at 18s.; AMINOPHYLLINE is now 18s. 6d. per lb.

THYMOL. — In 7-lb. lots the price is 15s. 9d. per lb. 28-lb., 14s. 6d.

UREA. — Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44 10s. per ton.

ZINC CARBONATE. — In 1-cwt. lots the price is 1s. 9½d. per lb.

ZINC CHLORIDE. — B.P.C., cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 115s. per cwt.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted at 1s. 9d. per lb.; technical, 60s. per cwt.

Industrial Chemicals

ACETALDEHYDE.—The 100 per cent. is £155 per ton.

ACETATES.—Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 255s. and B.S.S., 257s. BUTYL, 179s.; ETHYL, 151s.; ISOPROPYL, 147s.

ACETONE.—One-ton lots are quoted at £90 per ton.

BENZOLE. — Thiophene-free is from 10s. 0½d. per gall. for one 50-gall. barrel and pure, 7s. 0½d. per gall. for similar lots.

N-BUTYL ALCOHOL.—One to 5-ton lots are quoted at £159 per ton and one-drum lots at £163 per ton. Secondary is £130.

CARBON TETRACHLORIDE, B.P.—1-2 carboy lots are £135 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots, is £84; 1 ton and under 2 tons, £81; 2 tons and under 4 tons, £80 10s.; 4 tons and upwards, £79 10s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.), 5s. 0½d. per gall. for 10,000 gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE. — One-ton lots in drums are quoted at £145 per ton.

METHYL ISOBUTYL CARBINOL. — One-ton lots (in one delivery) are now £165 per ton.

METHYL ISOBUTYL KETONE. — One-ton lots are £171 per ton with usual differentials for smaller quantities.

NAPHTHALENE. — Home market prices (per ton for 4-ton lots at one time) are as follows:—CRUDE, crystallising point 64–71·9° C., £22 to £22 15s.; WHIZZED, c.p. 72–77·5° C., £26 15s. to £35 5s. according to the crystallising point, ex works; HOT-PRESSED, minimum c.p. 77·6° C., £42 ex makers' works; CRYSTALS from £62 10s. to £65, delivered; BALL AND FLAKE, £71 to £73 10s. delivered. The approximate export prices (f.o.b.) for 25-ton lots are from £37 to £41 for the crude whizzed; £45 to £47 for hot-pressed, while crystals are £67 10s. and ball and flake both £76 per ton, including bags.

PHTHALATES.—Prices (per lb.) for drum lots are as follows:—DIAMYL, 3s. 3d.; DIBUTYL, 2s. 1½d.; DI-ISOBUTYL, 1s. 11d.; DIETHYL (normal grade), 2s. 1d.; (perfumery grade), 2s. 6¼d.; DIMETHYL, 1s. 10¾d.

STEARATES. — Spot prices for minimum 1-ton lots are now as follows:—ALUMINIUM (all grades), 253s. per cwt.; CALCIUM (precipitated), 243s.; LEAD (30 per cent.), 240s.; MAGNESIUM (standard), 271s. 6d. and (superfine), 301s. 6d.; ZINC, B.P., 285s. 6d.

TITANIUM DIOXIDE. — In 5 ton spot lots anatase is from £165 to £167 5s. per ton. Rutile is £183 5s. for surface-coated and £175 for non-surface coated.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 3s. 3d. per lb., duty paid.

ALOES. —Cape prime for shipment is 315s. per cwt., c.i.f.; and spot, 330s. Curaçao for shipment is about 400s., c.i.f.

ANISEED (STAR). — Chinese is 160s. per cwt. on the spot.

BALSAMS.—Quotations (per lb.) are:—CANADA: Spot value 30s.; new-crop for June-July shipment, 26s., c.i.f. COPAIBA. Para is from 7s. 9d. to 11s., duty paid. PERU, 10s., duty paid. TOLU (genuine as imported), 27s. 6d.; B.P., 17s. 6d., spot.

BELLADONNA.—Herb is 2s. 6d. per lb. on the spot. ROOT, 1s. 10d. spot; shipment, 1s. 3d., c.i.f.

BENZOIN.—Sumatra block on the spot is from £25 to £30 per cwt. No. 1 for shipment is £23 5s., c.i.f. Almonds, 15s. per lb., c.i.f.

BUCHU.—Spot rounds are from 7s. to 7s. 3d. per lb. as to holder.

CAPSICUMS. — East African are from 120s. to 210s. per cwt. on the spot, as to quality.

CARDAMOMS. — Aleppy greens on the spot are 15s. 3d. per lb. and shipment, 14s. 6d., c.i.f. No. 1 seed, 21s. per lb.

CASCARA SAGRADA. — American 1955 peel is 345s. per cwt., duty paid. 1956 processed peel for prompt shipment, 295s., c.i.f. New-crop, July-August, 260s., c.i.f., quoted.

CASSIA BARK. — Whole on the spot is now quoted at 115s. per cwt., in bond, and broken, 105s. in bond. For shipment broken No. 1 is 97s. 6d., c.i.f., and whole 105s., c.i.f., nominal.

CASSIA FRUIT. — *C. fistula* is offered at 87s. 6d. per cwt. on the spot.

CHERRY BARK. — Thin natural is from 1s.10½d. per lb., duty paid, and rossed, 2s., on the spot.

CHILLIES.—Mombasa on the spot are 210s. per cwt., and 195s., c.i.f., for shipment.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 8s. 7½d.; OOO, 8s. 6d.; OO, 8s. 4d.; seconds, 6s. 10d.; featherings, 2s. 7½d.; quillings, 4s. 6d.; chips, 1s. 2d.

CLOVES. — Zanzibar on the spot are quoted at 3s. 6¼d. per lb. Shipment, 3s. 3¼d., c.i.f.

COCILLANA.—Bark is 1s. 11d. per lb. on the spot.

GENTIAN. — Spot: French quoted at 185s., c.i.f. and 200s. on the spot; Spanish, 165s.; Jugo-Slavian, 155s. to 165s. as to seller.

GUM ACACIA. — Kordofan cleaned sorts are 145s. per cwt. on the spot; afloat, 123s., c.i.f.

HONEY. — Quiet. Australian light-amber is 120s. to 125s. and medium-amber, 112s. 6d. to 115s. Argentine, 125s. to 130s.; Jamaican, 145s. to 150s., all per cwt., on the spot.

IPECACUANHA. — Short. Colombian for shipment is 53s. 6d., c.i.f., and Matto Grosso, 50s., c.i.f., per lb. Other sources not offering. Panamanian on the spot is 53s. 6d. per lb.

KARAYA.—No. 1 gum on the spot is now quoted at 260s. per cwt. and No. 2 at 215s.

LANOLIN. — ANHYDROUS, B.P., is from 175s. to 190s. per cwt. and HYDROUS, B.P., 150s. to 170s.

LIQUORICE. — Natural root: Anatolian is 45s. per cwt., Russian, 50s., and Persian, 45s. per cwt., spot. Block juice: Anatolian, 200s. per cwt.; Chinese and British, 195s. on the spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 9d. per lb.

MENTHOL.—Chinese. Spot is 49s. 9d. per lb., duty paid; July-August shipment, 46s. 6d., c.i.f. Brazilian, spot, 41s., duty paid; shipment, 38s. 3d., c.i.f. Formosan, 42s. 6d., c.i.f.

MERCURY. — Price per flask (76-lb.) is £88 10s. on the spot.

ORANGE PEEL. — West Indian bitter quarters are 11d. to 1s. per lb.; Spanish 1s. to 1s. 3d.; thin-cut Tripoli, 2s. 3d.

PAPAIN.—Scarce. East African grade 2 is 28s. per lb., spot; No. 1 nominally 32s. 6d. per lb.

PEPPER.—White Sarawak is 2s. 3d. per lb. on the spot, with prompt shipment at 2s. 2d., c.i.f. Black Sarawak is offering on the spot at 1s. 8½d. per lb., June shipment, 1s. 7½d., c.i.f. Black Malabar, 210s. per cwt. on the spot; prompt shipment 205s., c.i.f.

PEPPERMINT LEAVES. — Dutch for shipment are offered from 2s. 6d. to 3s. per lb., c.i.f.

PODOPHYLLUM. — *Emodi* is 165s. per cwt., c.i.f. *Peltatum*, 4s. per lb. spot, and 430s. per cwt., c.i.f., for shipment.

QUILLAIA.—Spot offers of bark at 220s. per cwt. with shipment at 175s., c.i.f.

SAFFRON.—Mancha Selecta is 280s. per lb., on the spot.

SASSAFRAS.—Selected bark is 5s. per lb.

SEEDS. — (Per cwt.). ANISE.—Cyprian, 175s.; Bulgarian, 160s., duty paid. CARAWAY. — Dutch, 115s., duty paid. CELERY. —Indian, 180s., spot. CORIANDER.—Spot: Moroccan, 95s.; Rumanian, 67s. 6d.; Bulgarian or Polish, 60s.; all duty paid. Shipment: Moroccan old and new crop, 62s. 6d., c.i.f. CUMIN. — Spot Cyprian, 165s.; Iranian, 135s., in bond (145s., duty paid). Cyprian quoted 165s., c.i.f., for shipment. DILL. — Indian, 62s. 6d., spot. FENNEL.—Indian, 120s., spot. FENUGREEK. —Indian on spot is 67s. 6d. and Moroccan, 67s., duty paid. MUSTARD. — English, 60s. to 75s. according to quality.

SENEGA.—Spot is 18s. 6d. per lb. with shippers asking 18s., c.i.f.

SENNA. — *Tinnevelly* LEAVES are short on the spot. Prime No. 1, 1s. 5d. per lb., f.a.q., June delivery, 10d.; PODS, f.a.q., cleared; hand-picked, 1s. 3d. to 2s. *Alexandrian* pods available from 1s. 6d. to 3s. 6d. per lb., with hand-picked at from 4s. 6d. to 6s. 6d.

SHELLAC. — F.O.T.N., 230s. per cwt.; F.O. No. 1, 250s.; fine orange, 275s. to 335s.

SQUILL.—White is offered on the spot at 57s. to 62s. 6d.

STRAMONIUM.—Indian LEAVES are 70s. per cwt., and European 80s. on the spot.

STROPHANTHUS.—*Kombé* on the spot is 6s. 6d. per lb. for the 100 per cent.; *Gratus* is 11s. 3d., in bond.

TONQUIN BEANS. — Para on the spot are cleared.

TURMERIC.—Madras finger on the spot is 72s. 6d. per cwt. with new-crop, May shipment at 57s. 6d., c.i.f.

VALERIAN ROOT. — Dutch for prompt shipment is 182s. per cwt., c.i.f., and Belgian, 190s., c.i.f. Indian on the spot is 135s. per cwt.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 27s. 3d.; 1-cwt., 27s. 6d.; 56-lb., 27s. 9d.; smaller quantities, 28s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 560s., shipment, 535s., c.i.f.; Sudanese, 550s., duty paid and 505s., c.i.f. Abyssinian, spot, 520s., in bond; May shipment, 510s., c.i.f. CANDELILLA.—Spot is 530s. CARNAUBA. — Fatty grey, spot, 565s. per cwt.; for shipment, 545s., c.i.f. Prime yellow, spot, 1,130s.; shipment, 1,085s., c.i.f.

WITCH HAZEL LEAVES. — Spot supplies are 2s. 3d. per lb.; prompt shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

ANISE.—Chinese, 12s. 3d. per lb., spot; shipment, 12s. 4½d., c.i.f.

CADE. — Spanish is 3s. 6d. per lb. for drum lots.

CAJUPUT. — Spot supplies are from 10s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CASSIA.—Spot is offered at about 13s. 6d. per lb. with shipment, 13s. 4d., c.i.f.

CORIANDER. — B.P. oil is quoted from 77s. 6d. to 85s. per lb.

CUMIN. — Quotations for English-distilled oil are about 102s. per lb. and imported 57s. 6d.

FENNEL.—Spanish sweet on the spot is quoted at 10s. per lb. with Russian at 22s. 6d.

GERANIUM.—Bourbon is 127s. 6d. per lb. on the spot and Algerian, 97s. 6d.

GINGER. — English-distilled oil is 205s. per lb. Imported: Jamaican, 167s. 6d.; Chinese, 100s., duty paid.

GINGERGRASS. — Spot offers are from 27s. 6d. per lb.

LAVANDIN.—Spot is from 13s. to 15s. per lb. for original drums.

LEMON.—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 22s. and 32s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Spot is 8s. 4½d. per lb., and June-July shipment, 8s. 2d., c.i.f.

LIME.—West Indian distilled is 45s. per lb. on the spot.

NUTMEG. — Imported B.P. oil is about 105s. per lb. English-distilled, 180s. nominal.

OLIVE.—New-crop on the spot is about 30s. per lb., ex wharf, for B.P.

ORANGE.—Spot quotations of sweet oil include Floridan at 4s. per lb.; Californian, 9s.; West Indian, 7s. 6d.; South African, 7s.; West African, 15s. 6d. For shipment, proprietary brand Californian cold-pressed, U.S.P., 13s. 2d., c.i.f. Terpeneless is 200s. per lb., spot; and bitter, 21s. 6d. per lb.

PEPPERMINT. — *Arvensis* : Chinese is 28s. 6d. per lb. on the spot and 27s. 9d. c.i.f. Brazilian, 18s. 6d., spot, and 18s., c.i.f. Formosan, May-June, 17s. 6d., c.i.f.; spot 19s. 9d. Italian "Mitcham"-type oil on the spot is from 52s. 6d.; American, 28s. to 40s. as to origin.

PETITGRAIN. — Paraguay is offered at 37s. 6d. per lb.

PINE.—*Pumilionis* on the spot is from 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d. to 15s.

ROSEMARY.—Spanish oil on the spot is 7s. 6d. per lb., duty paid.

SPEARMINT. — Offers of U.S.P. grade are from 29s. per lb. on the spot.

TANGERINE. — Spot supplies offered from 23s. to 36s. per lb. as to quality.

THYME. — Spot is from 10s. per lb., according to content.

VETIVERT.—Spot is currently at about 95s. per lb.

UNITED STATES REPORT

NEW YORK, MAY 28: New business was spotty. There were comparatively few price movements in CRUDE DRUGS and demand was spotty. In ESSENTIAL OILS, CEDARWOOD has developed a greater amount of strength with prices edging higher because of lower stocks. The spot price moved up two cents to 67 cents per lb. Meanwhile PIMENTO LEAF was 15 cents lower at $2·50 per lb.

WORLD TRADE

Italian Mercury Exports.—In January-February Italy exported 373·5 metric tons of mercury. Included among the quantities were: 51·7 to West Germany; 17·2 to the United Kingdom; 15·1 to India; 85·3 to Brazil and 122·4 to the United States.

U.S. Detergent Trade Mark Rights Sold.—In the United States Monsanto Chemical Co. have sold to the Lever organisation the trade mark rights in and formula of A11—Monsanto's synthetic detergent—and have granted a marketing franchise to Messrs. Lever.

Indian Budget.—Mr. T. T. Krishnamachari (Indian Finance Minister) in his address on the budget for 1957–58, said that, despite measures already taken to restrict imports, there was still a drain on the country's foreign exchange resources. "Import policy for the second half of 1957–58 is being formulated with the objective of securing a further sizeable saving in imports."

U.S. Chemical Sales.—Sales of chemicals and allied products in 1957 are expected to reach a new peak of $25,700 millions against the former 1956 record of $24,300 millions. The American Chemical Society states that increasing chemical sales have been accompanied by narrowing profit margins and the cost-price squeeze was far more critical than in 1956 with no signs that the situation would improve either this year or next.

Australian Tariff Reductions.—Duties on more than 800 items imported from foreign countries were reduced as from May 23. The items are non-protective and are already admitted duty-free under the British preferential tariff. They cover a wide range of goods (about a third of the customs tariff list) and include drugs and chemicals. The reduction is the result of a recent trade agreement with Britain to narrow the preference margin to 7·5 per cent. where British goods enter duty-free.

Dominicans Demand Drug Analyses.—The Dominican Republic now requires that one unit from every commercial import shipment of medicinal, veterinary, biological, chemical, or pharmaceutical products to the country must be analysed in its National Laboratory for Public Health. A fee of $5 is charged for the analysis of each product per shipment in addition to the $10 registration fee and the $10 analysis fee assessed on the above products when they are initially approved for sale in the Dominican Republic. The new regulations (decree No. 2464 of February 11) do not become effective until enlargement of the National Laboratory is completed about the middle of June.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 15

For moth repelling and moth destroying preparations (5)
DIELMOTH, 760,920, by Shell Petroleum Co., Ltd., London, E.C.3.

For pharmaceutical preparations (5)
Device with letters W P, B760,826, by Union International Co., Ltd. (Weddel Pharmaceuticals), London, E.C.1. BENISEPT, 761,663, DYNASTOL, 762,192, HAZAMOL, 762,307, by Boots Pure Drug Co., Ltd., Nottingham. SOLCOSERYL, 761,852, by Solco Basel, A.G., Basle, Switzerland. ANDUVITE, 763,012, by Carter Bros., Shipley, Yorks. METHOCIDINE, 763,092, by Rona Laboratories, Ltd., London, W.C.2.

For pharmaceutical preparations for human and veterinary use, sanitary substances, medical and surgical plasters, materiel prepared for bandaging, disinfectants and antiseptics (5)
HEMERAN, 760,924, by J. R. Geigy, S.A., Basle, Switzerland.

For antiseptics, disinfectants, germicides, sanitising substances and fungicides (5)
WELADYNE, 760,947, by West Laboratories, Inc., New York, U.S.A. DYNEPAL, 760,949, by West Disinfecting Co., New York, U.S.A. IOPIPE, 760,951, IOBAC, IOKAZE, 760,953-54, by Lazarus Laboratories, Inc., Buffalo, New York, U.S.A.

For pharmaceutical preparations for the treatment of asthma and allied conditions (5)
AKELVEN, 761,005, by T. J. Smith & Nephew, Ltd., Hull, Yorks.

For derivatives of penicillin for pharmaceutical use (5)
ICIPEN, 761,024, by Imperial Chemical Industries, Ltd., London, S.W.1.

For sanitary and disinfecting substances in liquid, powder or solid form (5)
SCENTINEL FLUSH, 761,183, by New Hygiene, Ltd., London, N.7.

For pharmaceutical preparations and substances for human and veterinary use (5)
AMBELOPREN, 761,822, by Ciba, Ltd., Basle, Switzerland.

For insecticides, fungicides, herbicides and bactericides, all for use in agriculture, horticulture and forestry (5)
PHALTAN, 761,933, by California Spray-Chemical Cie Française, Paris, France.

For insecticides, fungicides and weed-killing preparations (5)
CERTOLAN, 762,267, by Bayer Agriculture, Ltd., London, S.W.1.

For pharmaceutical and veterinary substances (5)
BIVIGNA, 763,425, by Biosun, Ltd., Sunbury-on-Thames.

For anti-vibration mountings made of rubber and metal or of artificial rubber and metal and being fittings for scientific, photographic, cinematographic, and optical apparatus and instruments, etc. (9)
METALASTIK, 748,044, by Metalastik, Ltd., Leicester.

For projection screens and parts and fittings (9)
PERLITE, B758,436, by Andrew Smith Harkness, Ltd., London, W.1.

For optical and photographic apparatus and instruments and parts and fittings, measuring apparatus, camera tripod stands and covers, etc. (9)
HEIFIT, HIFIMAT, HIFISTAR, 758,459-461, LIBRETTO, 755,382, by Contina Bureaux-und Rechenmaschinenfabrik, A.G., Vaduz, Liechtenstein.

For stereoscopic apparatus for viewing photographs (9)
Device of the words VISTA SCREEN, 758,743, by Capital Publications, Ltd., London, W.C.1.

For optical and photographic apparatus and instruments; lenses, magnifying glasses; and range-finders and photographic exposure tables (9)
ANGULON, 761,121, by Jos. Schneider & Co., Kreuznach, Germany.

For apparatus and instruments for use in physics; optical, photographic and cinematographic instruments and apparatus; and parts (9)
KARDAN-COLOR, 761,966, by Valentin Linhof, K.G., Munich, Germany.

For cameras and projection apparatus, all being cinematographic, or photographic, lensholders, holders for light filters, lens hoods, flashguns for photographic purposes, and electrical apparatus and instruments (9)
LUXOMAT, 762,414, by Julius Joseph Silber, London, W.C.1.

For hypodermic syringes (10)
METTIP, 742,314, by Balco Hypodermic Products, Ltd., Manchester, 3.

For toilet paper, paper towels and paper napkins, none being medicated (16)
LADY CHARMIN, 762,551, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For paper handkerchiefs and toilet paper tissues for the face, none being medicated (5)
POSIES, 762,599, by Jeyes' Sanitary Compounds Co., Ltd., Barking, Essex.

For sponge-, cosmetic, puff-, tooth-brush- and facecloth-bags and similar small bags in the nature of handbags, all made principally of textile material (18)
BOBBY, 763,723, by D. C. Hamilton, Ltd., Manchester, 1.

For flasks, jugs, jars, all being vacuum-insulated containers (21)
LUSTREEN, 760,263, by Rees & Co., Ltd., London, E.C.2.

For natural and artificial sponges (21)
CERAFOAM, 762,909, by Sydney G. Heath & Son, Stoke-on-Trent, Staffs.

From the "Trade Marks Journal," May 22

For sensitised photographic paper (1)
JETLINE, 761,460, by A. West & Partners, Ltd., London, S.W.1.

For chemical substances used in the course of manufacture, photography and scientific research (1)
FELDALATE, 761,716, by Feldmuhle Papier- und Zellstoffwerke, A.G., Dusseldorf, Germany.

For fertilisers (1)
CROPTEX, 762,161, by Crop Protection (Grantham), Ltd., Grantham, Lincs.

For chemical products for use as ingredients in the manufacture of polishing preparations (1)
ANCROL, 762,456, by Ronuk, Ltd., Portslade, Sussex.

For non-medicated toilet soap (3)
Device of word PID, 756,490, by Dreiringwerke, Krefeld, Germany.

For toilet shampoos manufactured and for sale in the United Kingdom and for export to the Channel Islands and the Republic of Ireland (3)
Devices with words VASELINE BRAND LIQUID SHAMPOO, 757,995-996, by Chesebrough-Pond's, Ltd., London, N.W.10.

For pharmaceutical preparations and substances; medical and surgical plasters, materials prepared for bandaging; and insecticides, fungicides and disinfectants (5)
USNO, 762,263, by Laake Oy, Finland.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Friday, May 31

READING BRANCH, PHARMACEUTICAL SOCIETY, Board room, Thorn Street, Reading, at 8 p.m. Annual meeting. Mr. A. Hammerton on "Africa as I know It."

Sunday, June 2

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, West Surrey golf club, Milford, at 10 a.m. Meeting.

Wednesday, June 5

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Royton and Crampton course. Robinson's prize (four-ball Stableford competition).

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Mossley Hill Church, at 6.15 p.m. Outing to Sudley, Liverpool.

WEST HAM ASSOCIATION OF PHARMACISTS, committee room, Public Library, Church Lane, Leytonstone, at 8.30 p.m. Annual meeting.

Thursday, June 6

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30. Reading of original papers.

PRINT AND PUBLICITY

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

Sunday, June 9

LONDON: Petal Dew cream deodorant. Gayelord Hauser extra potency yeast tablets. Optrex eye lotion. Miraglo. Lip-Glo. Tru-Gel.

MIDLAND: Val-Pak. Angel Face. Anadin. Robinson's lemon barley water. Beecham's powders. Dettol. Steradent. Sanpic. Brylcreem. Sans Egal.

NORTH: Val-Pak. Phensic. Robinson's lemon barley water. Beecham's powders. Dettol. Steradent. Brylcreem. Sans Egal.

ALL: Creme Puff. Pin-Up. Twink.

Monday, June 10

LONDON: Pure Silvikrin. White Rain lotion shampoo. Prom. Beecham's powders. Dettol. Ibcol.

MIDLAND: Gleem tooth-paste. Angel Face. Phyllosan. Sanpic. Brylcreem. Lip-Glo. Vaseline hair cream.

NORTH: Gleem tooth-paste. Drene. Pure Silvikrin. Alka-Seltzer. Cephos. Air-wick. Beecham's powders. Phyllosan. Pepsodent. Brylcreem.

ALL: Pin-Up. Phensic. Anadin. Germolene. Amami waveset.

Tuesday, June 11

LONDON: Phensic. Iron Jelloids. Anadin. Flit insecticides. Air-wick. Brylcreem. Optrex eye lotion. Aspro. Ibcol. Miraglo. Tru-Gel.

MIDLAND: Lazy Shave. Angel Face. White Rain lotion shampoo. Germolene. Phyllosan. Pepsodent. Amami waveset.

NORTH: Alka-Seltzer. White Rain lotion shampoo. Prom. Air-wick. Phyllosan. Zoflora. Vaseline hair cream. Amami waveset.

ALL: Gleem tooth-paste.

Wednesday, June 12

LONDON: Iron Jelloids. Delsey toilet tissue. White Rain lotion shampoo. Dr. Wernet's powder. Brylcreem. Horlicks. Amami waveset.

MIDLAND: Val-Pak. Angel Face. Alka-Seltzer. Robinson's lemon barley water. Prom. Air-wick. Germolene. Dettol. Sanpic. Optone eye drops. Pepsodent. Lip-Glo.

NORTH: Anne French preparations. Robinson's orange smash. Cephos. Phyllosan. Vaseline hair cream. Amami waveset.

ALL: Gleem tooth-paste. Drene. Anadin. Twink.

Thursday, June 13

LONDON: Drene. Phensic. Delsey toilet tissue. White Rain lotion shampoo. Beecham's powders. Dettol. Brylcreem. Twink. Pepsodent. Miraglo. Tru-Gel.

MIDLAND: Robinson's orange smash. Dr. Wernet's powder. Phyllosan. Brylcreem. Twink. Horlicks. Vaseline hair cream.

NORTH: Drene. Flit insecticides. Robinson's lemon barley water. White Rain lotion shampoo. Prom. Germolene. Phyllosan. Optone eye drops. Twink. Opas tablets. Horlicks.

ALL: Gleem tooth-paste. Mothaks.

Friday, June 14

LONDON: Delsey toilet tissue. Prom. Air-wick. Germolene. Pepsodent.

MIDLAND: Fisons' Evergreen. Anadin. Prom. Twink.

NORTH: Cephos. Phyllosan. Dettol. Brylcreem. Zoflora. Twink. Floret aerosol.

ALL: Gleem tooth-paste. Drene. Pin-Up. Pure Silvikrin.

Saturday, June 15

LONDON: Val-Pak. Top Secret. Silvikrin shampoo. Alka-Seltzer. Anne French preparations. Gayelord Hauser extra potency yeast tablets. Persomnia tablets. Polystif starcher. Optrex eye lotion. Lip-Glo. Amami waveset. Spratt's mixed ovals.

MIDLAND: Zoflora. Angel Face. Pure Silvikrin. Moorland indigestion tablets. Phensic. Anne French preparations. Vaseline hair cream. Robinson's orange smash. Steradent. Sanpic. Rotosan. Optone eye drops.

NORTH: Moorland indigestion tablets. Phensic. Robinson's orange smash. Germolene. Steradent. Optone eye drops. Vaseline hair cream.

ALL: Drene. Anadin. White Rain lotion shampoo. Air-wick. Beecham's powders. Brylcreem. Horlicks. Vita Glucose tablets.

Other products which are being currently advertised (but for which no day of showing has been notified) include: Rose's lime juice. Demuth's Frozoclone, Frozolavender, and solid flower perfumes. Handjoy. Fynnon salt. Scentinel Quill aerosol disinfectant.

PUBLICATIONS

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Sonergan" (4-p. folder); "Stemetil Anti-Emetic" (10-p. booklet).

Full colour counter stand and window display card for Johnson's baby products available from Johnson & Johnson, Ltd., Slough, Bucks. The counter stand measures approximately 15 x 12 in., and the window card, 30 x 20 in. A counter stand and window display card for the company's baby shampoo are also available. The display material ties up with current advertising.



Catalogues

BRITISH INDUSTRIAL SOLVENTS, Devonshire House, Piccadilly, London, W.1: Range of solvents, plasticisers. Pp. 228.

SANDOZ PRODUCTS, LTD., 134 Wigmore Street, London, W.1: Sandoz index, 1957. Pp. 73.

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

South-east Metropolitan Branch and South-east London Chemists' Association.—*Chairman*, Mr. R. W. Crombie; *Vice-chairman*, Mr. A. E. S. Hull; *Junior vice-chairman*, Mr. F. J. Brean; *Treasurer*, Mrs. J. E. Hook; *Social Secretary*, Mr. A. F. Browne, 56 Oldfield Road, Bexleyheath, Kent; *Secretary*, Mr. W. A. Howard, 185 Torridon Road, Catford, London, S.E.6.

Southampton.—*Chairman*, Mr. Ivor Pring; *Vice-chairman*, Mr. F. Leaper; *Treasurer*, Mr. G. Duncan; *Social secretary*, Mr. E. S. Bonnar. *Secretary*, Mr. F. Murley, The Pharmacy, Fawley, Southampton, Hants.

Newcastle.—*Chairman*, Mr. J. P. Kerr; *Vice-chairman*, Mr. W. T. Wing; *Treasurer*, Mr. L. R. Renwick; *Secretary*, Mr. A. McGuckin, 55 Grainger Street, Newcastle-on-Tyne, 1.

Somerset.—*Chairman*, Mr. J. S. Clarke; *Vice-chairman*, Mr. E. H. Rae; *Treasurer*, Mr. E. H. Rake; *Secretary*, Mr. T. F. Pendray, Coombe Lane, Yeovil.

PHARMACEUTICAL ASSOCIATIONS

North London.—*Chairman*, Mr. G. G. Geyman; *Vice-chairman*, Mr. J. F. Jack; *Treasurer*, Miss Anne Felton; *Secretary*, Mr. W. J. F. Laxton, 605 High Road, London, N.17.

South Shields.—*Chairman*, Mr. G. H. Eales; *Treasurer*, Mr. B. H. Brown; *Secretary*, Mr. T. Darke, 2 South Frederick Street, South Shields.

NATIONAL PHARMACEUTICAL UNION

Somerset. — *Chairman*, Mr. K. E. Jordan; *Vice-chairman*, Mr. C. Webb; *Secretary*, Mr. H. M. Lovell, 38 St. James Street, Weston-super-Mare.

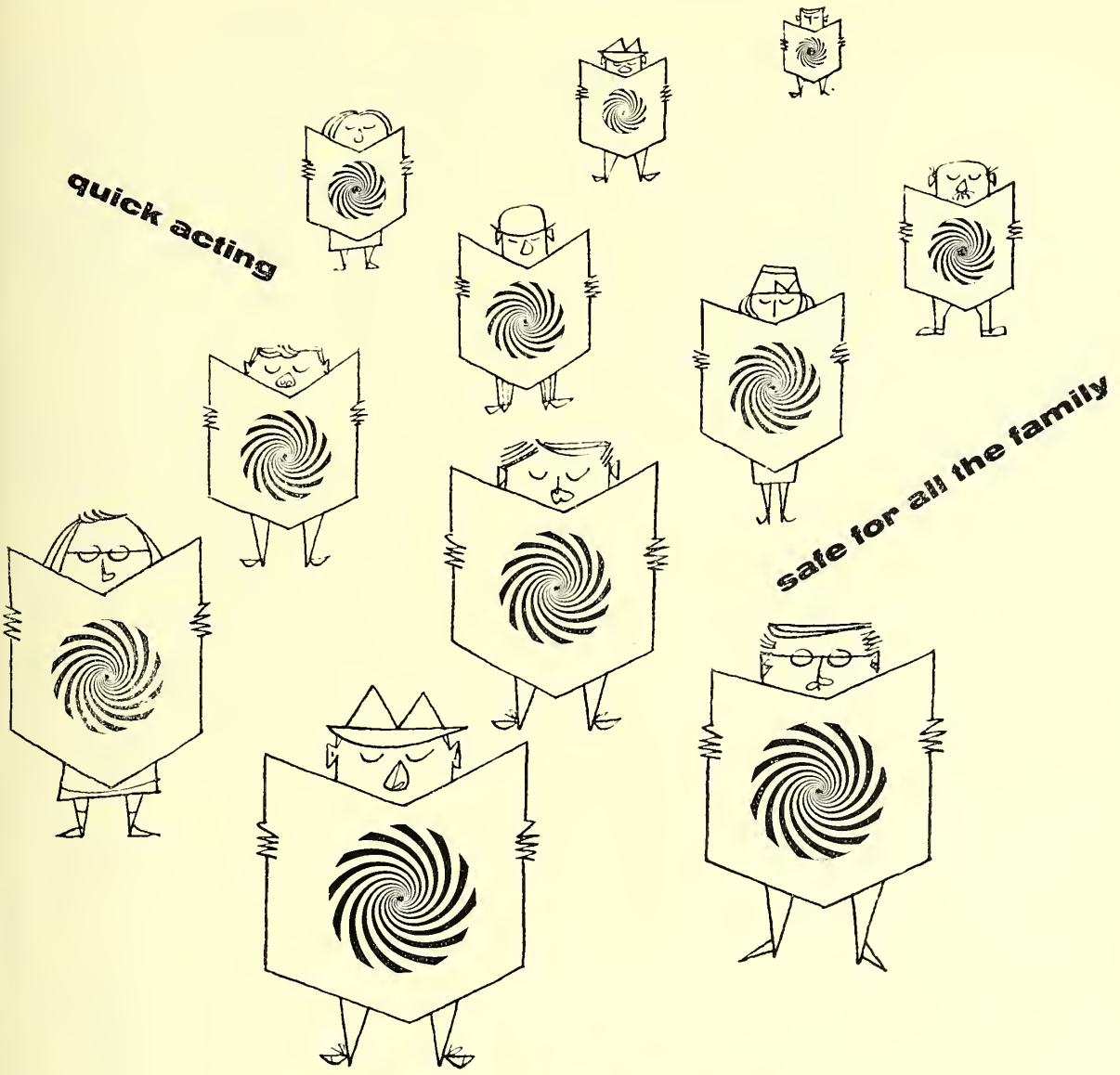
C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 30 per cent.; † = Tax 90 per cent.

BOOTS PURE DRUG CO., LTD. (from May 28)					
Cortistab tablets, 5 mgm.	500	100	0	133 4	*R*
Delta-Stab tablets, 1 mgm.,	500	130	0	173 4	*R*
Sulphaguanidine tablets, 0·5 gm.	1,000	29	0	43 6	*R*
EUCRYL, LTD.		Doz.		I.R.P.	
Eucryl white tooth powder*		9	0	1 3	*A*
		12	6	1 9	*A*
chlorophyll tooth powder*		9	0	1 3	*A*
		12	6	1 9	*A*
denture powder*		9	0	1 3	*A*
		12	6	1 9	*A*
Luce's lavender talcum†		10	0	2 0	*A*
Sudex senna pods		10	0	1 3	*A*
Galloway's cough syrup*		12	6	1 9	*A*
		21	8	3 0	*A*
		36	0	5 0	*A*
lung syrup		12	6	1 9	*A*
		21	8	3 0	*A*
STAFFORD-MILLER, LTD. (distributors, **FASSETT & JOHNSON, LTD.**) (purchase tax change)					
Tarcortin ointment*		72	0	10 10	*A*

NEW PRODUCTS AND PACKS

ALBION SOAP CO., LTD.				
Albion air freshener	6	8		10
J. & E. ATKINSON, LTD.				
Skinfare cream† "generous" jar				50 0
BIOMETICA, LTD.				
Bu-To† "de luxe"				3 6
CIBA LABORATORIES, LTD.				
Ultracortenol with Bradosol cream* 5 gm.				12 0
FERRIS & CO., LTD.	Each			
Caprygel* tube.	1	11		3 6
FRESHNESS, LTD.				
Go deodorant† tube				1 6
				2 9
GALA OF LONDON, LTD.				
Velvet film foundation†				5 6
GLAXO LABORATORIES, LTD.				
Glaxo penicillin-V tablets 125 mgm.	12	5	10	8 9
100	40	6		69 9
Glaxo penicillin-V oral liquid 2 fl. oz.	7	7		11 4½
R. F. HUNTER, LTD.				
Paterson 100 slide box				18 6
slide viewer				10 6
viewer illuminated attachment				8 0
IMPERIAL CHEMICAL INDUSTRIES, LTD., PHARMACEUTICALS DIVISION				
Helmox* 4 oz.				12 0
2 lb.				90 0
7 lb.				276 0
KODAK, LTD.				
Kodaslide home projector				210 0
LANCOME (ENGLAND), LTD.				
Cleansing creams† large tube				24 0
Nutrix† large tube				42 6
Empreinte de Beaute beauty mask† medium tube				15 0
Allegresse† tube				17 6
Protective foundations†:—				
Splendeur medium tube				8 6
Harmonie, Progres, Souplesse large tube				14 0
LEDERLE LABORATORIES DIVISION CYANAMID OF GREAT BRITAIN, LTD.				
Achromycin V capsules 16	32	2		48 3
100	193	6		290 3
1,000	1,869	2		2,803 9
PARKE, DAVIS & CO., LTD.				
Geriplex capsules* 25				15 0
PFIZER, LTD.				
Tetracyn P capsules 16	32	2		
100	193	6		
PHILIPS ELECTRICAL, LTD.				
Tape recorders:—				
model AG8109				819 0
model AG8108				1,302 0
PLAYTEX INTERNATIONAL LATEX CORPORATION				
Playtex catch-all bib				4 11
ROUSSEL LABORATORIES, LTD.				
Cortibiotic nasal drops 8 mils	9	0		



'Marzine' TRADE MARK

stops travel sickness

Millions of newspaper readers will be familiar with the 'Marzine' "whirligig" within the next few weeks. Make the most of this by displaying 'Marzine' material in your window—and on your counter—throughout our press, poster and TV advertising campaign, now in progress.

Have you taken advantage of the special 'Marzine' bonus offer open until July 31st? This will yield you a profit of 38½% on orders of 3 dozen or more.

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON 4801



It is a long way to CARLSBAD

. . but nevertheless you can benefit from the world-renowned healing springs of this famous spa. Carlsbad thermal salt replaces it by providing complete home treatment for stomach and gall diseases of all kinds — of course only if it is the genuine, natural one, from Karlovy Vary!

Distributed by :

CHEMAPOL

Panská 9., Praha II., Czechoslovakia

WIN
the loyal Cuticura public *to YOUR Pharmacy*

Just one pack of each of the Cuticura Preparations in your attractive window will catch the eye of every Cuticura Customer. They know that the pharmacy that sells their Cuticura, stocks only the best.

STOCK AND DISPLAY

Cuticura

SOAP
OINTMENT
HAND CREAM
SHAVING STICK
TALCUM POWDER
MEDICATED LIQUID

331



Sun-tang—made from *whole* oranges, sugar and glucose—contains Vitamin C, essential to good health. RETAIL PRICE 3/3d. PER BOTTLE.

Niagara—made from Blackcurrant juice and sugar—rich in Vitamin C —the perfect drink for young and old alike RETAIL PRICE 3/9d. PER BOTTLE.

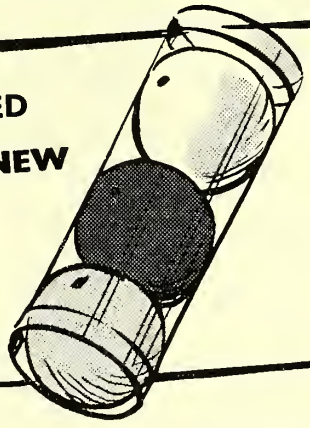
More customers are asking for both these delicious, health-giving drinks. Meet the extra demand by ordering ample stocks *NOW* and make sure of year-round profits.

BARNETT & FOSTER LTD.

QUEENSBRIDGE ROAD, LONDON, E.8. Tel.: CLissold 7132

I SEE A GREAT DEMAND FOR COX'S FLY KILLER BALLS





100% IMPREGNATED WITH ENTIRELY NEW INSECTICIDES FOR QUICK RESULTS

1/- per tube of three.

THEY HANG UP
ATTRACT FLIES
KILL QUICKLY

Beautifully coloured

NEW THIS YEAR

D.D.T. FLYCARDS

1/- **COX'S** FLY KILLER BALLS	96/- per gross
3d. **COX'S** D.D.T FLYCARDS (The Original)	24/- per gross
4d. **COX'S** D.D.T. PARROTS	32/- per gross
4d. **COX'S** D.D.T. ROSE BASKETS	32/- per gross
4d. **COX'S** D.D.T. WILD DUCKS	32/- per gross

BONUS TERMS 10% ON 3 GROSS, ANY ASSORTMENT
LESS 2½%, MONTHLY

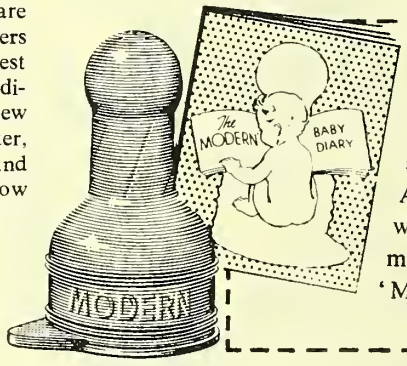
NATIONALLY ADVERTISED

JAMES COX & CO., D.D.T. WORKS, NORTHOLT ROAD,
SOUTH HARROW, MIDDLESEX.
Telephone: BYRON 4326



Do you know when most babies are born?

In the past nine years the highest birthrate figures have always been those for the three months, April, May and June. Why should this interest you? Because it means that at this time of the year even *more* mothers will be buying 'MODERN' Teats to feed their babies. 'Modern' Teats are widely and nationally advertised, so make sure that you have a good supply in stock by ordering now from your usual wholesaler. 'Modern' teats, with their triple perforation and spiral reinforcement, are preferred by mothers because they give 'Nearest to Natural' feeding. Individually packed in a new two-dozen display outer, they retail at 7½d. each and are available in three flow sizes.



and free to every mother is the **'Modern' Baby Diary and feeding guide!** Another aid to sales which will keep mothers asking for 'Modern'.

"MODERN"
ANTI-COLIC TEAT

THE CANNON RUBBER MANUFACTURERS LTD., ASHLEY ROAD, TOTTENHAM, LONDON, N.17

Millions of Honeypot FLYCATCHERS *are sold each Summer*

EXPERIENCE proves there is no better way of catching flies

Proved over the years, more and more people are returning to the foolproof method of flycatching.

- ★ Shiny and attractive to flies, Honeypot Flycatchers capture them by the hundred.
- ★ Hygienic—traps them and holds them fast for good.
- ★ Barrel impregnated with D.D.T.
- ★ Guaranteed to remain fresh in store.
- ★ Supplied in eye-catching 3 doz. and 6 doz. Counter Display boxes.

There's plenty of profit for YOU

Stock up NOW and ensure that this Summer is a record Sales Success with this rapid turnover line.

Selling price to public **3d.** each

TO RETAILERS

Under 3 gross **27s.** per gross.

3 gross and over **24s.** per gross.

VIPER FLYCATCHERS

It is regretted that these are no longer available.



T13

Honeypot FLYCATCHERS

Order NOW from your usual wholesale supplier or direct from

KAY BROTHERS LIMITED · REDDISH · STOCKPORT

SMALLER SIZE TRESS



Heavy advertising in
'WOMAN'
'WOMAN'S OWN'
'DAILY MIRROR' etc.
will reach
15,000,000 WOMEN
–widening the market for this fast-selling wave-set

TRADE TERMS

SMALL SIZE
Price 8/10d
per dozen bottles
plus 90% tax
selling at 1/9d per bottle.

LARGE SIZE
Price 14/5d
per dozen bottles
plus 90% tax
selling at 2/10½d per bottle.

TRESS, already one of the biggest selling wave sets, reaches an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size still continues in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

GOLDEN LIMITED, 7 GROSVENOR STREET, LONDON, W.1. Hyde Park 1671

Trade Enquiries for the Republic of Ireland should be addressed to: Lilmar Pharmaceuticals, Ltd., Santry, Dublin.

NIPAGIN-M

Regd. Trade Mark — B.P.C. STANDARD

The original British made preservative with its wide use for pharmaceutical and cosmetic preparations.

Our Service Dept. will gladly co-operate with you on all technical problems.

NIPA LABORATORIES LIMITED
TREFOREST INDUSTRIAL ESTATE Nr. CARDIFF
TELEPHONE: TREFOREST 2128/9

Sole Distributors for the United Kingdom
P. SAMUELSON & CO.
ROMAN WALL HOUSE,
1 CRUTCHED FRIARS, LONDON, E.C.3
Telephone: ROYAL 2117/8



Telephone: CLissold 1234

For purity—Key Glass



Glass containers, clear, strong and attractive to the buyer's eye, also excel in preserving the essential goodness of products. By their "seeability" they declare the quality of the contents, creating strong sales appeal. And the glass which excels on all counts is Key Glass. Closures of all kinds are also supplied — printed, embossed or plain.



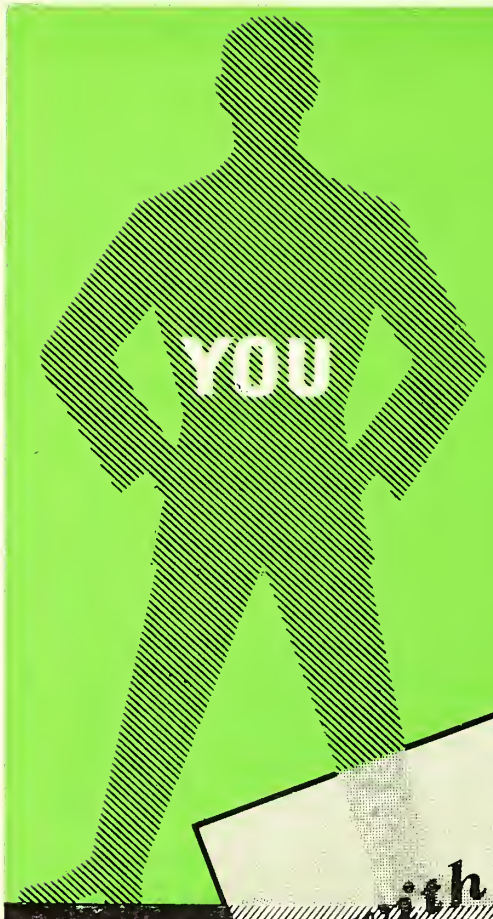
KEY GLASSWORKS LTD

Factories at New Cross, Alperton, Harlow

Sole Selling Agents : — Ronald Gale & Co. Ltd

First Class in GLASS

correspondence to be addressed to :—Ronald Gale & Co. Ltd · 7 Fursecroft · George Street · W.1



know where you stand

...with RANSOMS

Behind the name Ransom is more than a century's experience in the processing of raw materials for the pharmaceutical industry. It is experience that you can enlist—under the seal of strictest confidence—for the processing of proprietaries to your private formulas. In manufacturing products on your behalf, Ransoms will maintain the same meticulous standards of quality and uniformity that have won the Company such wide reputation in the industry for their Processing Service. And you will know where you stand with Ransoms—for they confine their business interests to the operation of their own Company.

Full details of Ransom's Trade Processing Service on request

WILLIAM RANSOM & SON LIMITED

HITCHIN - HERTFORDSHIRE - ENGLAND



In any case, they'll want a tin of Meggeson Dyspepsia Tablets

Large space advertisements appearing in leading National newspapers throughout the holiday season will be reminding holiday makers all over the country that change of diet, change of air and change of routine can spell indigestion and so spoil a holiday. Every advertisement will play its part in creating a customer for yet another tin of Meggeson Dyspepsia Tablets . . . in case. Be sure you have a good display on your counter, and in your window.

Meggeson & Co. Ltd. London, S.E.16



HYDROGEN PEROXIDE

10 and 20 volumes in bottles. A wide range of packs and labels available.

BARIUM SULPHATE B.P.

Bariform Brand Barium Sulphate for X-ray diagnoses is a fine white powder conforming to the B.P. Designed for the preparation of barium meals, it has excellent suspensibility and extremely fine particle size. It is also available as a rapidly dispersible paste.

LAPORTE

Laparte Chemicals Ltd., Luton. Tel: Luton 4390. Cables: Laporte, Lutan

MODERN EQUIPMENT



"WEBSTER'S" STAINLESS STEELWARE

ISAAC WEBSTER & SONS LTD.
ABBEY WORKS
TELEPHONE 51580 LEEDS
KIRKSTALL LEEDS. 5.
TELEGRAMS, ISAAC WEBSTER KIRKSTALL

GUM TRAGACANTH
GUM KARAYA
WHOLE AND POWDERED
DIRECT IMPORTERS

Phone: MANSION HOUSE 4405 (3 lines)

M. HAMBURGER & SONS LIMITED
Plantation House
MINCING LANE . LONDON E.C.3

Dyanese FADELESS DYES

3d. STOCKING (except Black) .. 27/- gross
4½d. COLD WATER, CURTAIN and Black Stocking Dyes .. 41/- gross

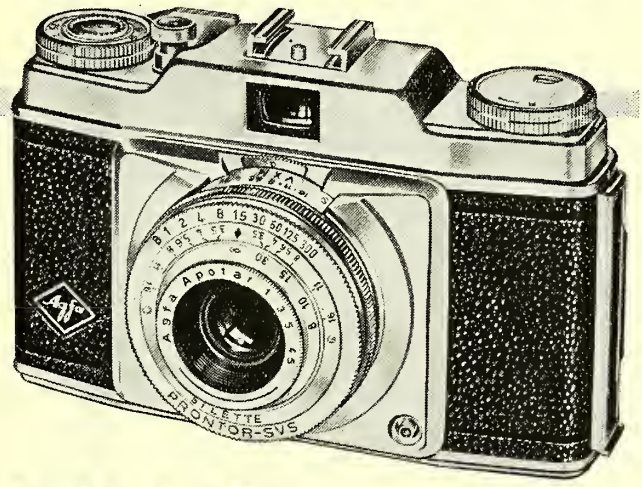
Order Dyes and Shade Cards from our Agents
Gt. Britain: W. B. Cartwright Ltd., Rawdon, Leeds
N. Ireland: T. M. Mullan & Co., Ltd., 42 Victoria Street, Belfast. *Eire:* May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6

GALLIC ACID
PYROGALLIC ACID
(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)
AND DERIVATIVES
WHOLESALE AND EXPORT ONLY
J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

Agfa

COLOUR-CORRECT CAMERAS

keep your profits on the UP & UP

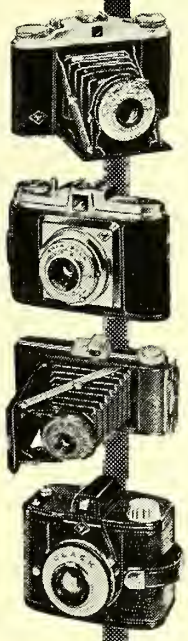


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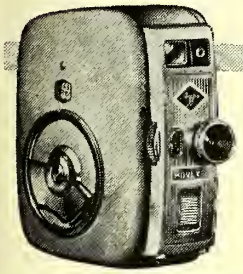
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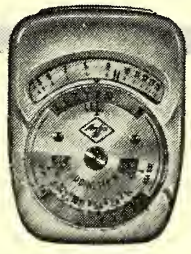


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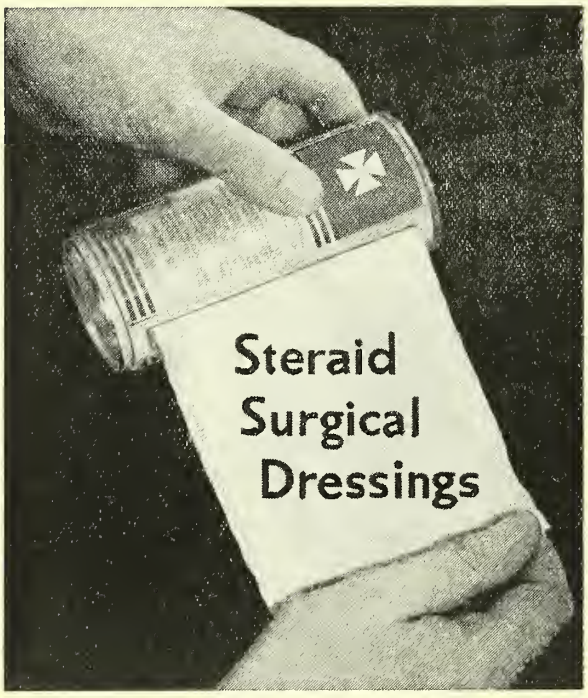
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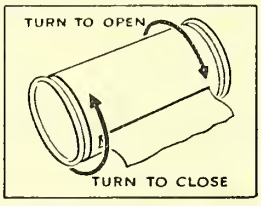


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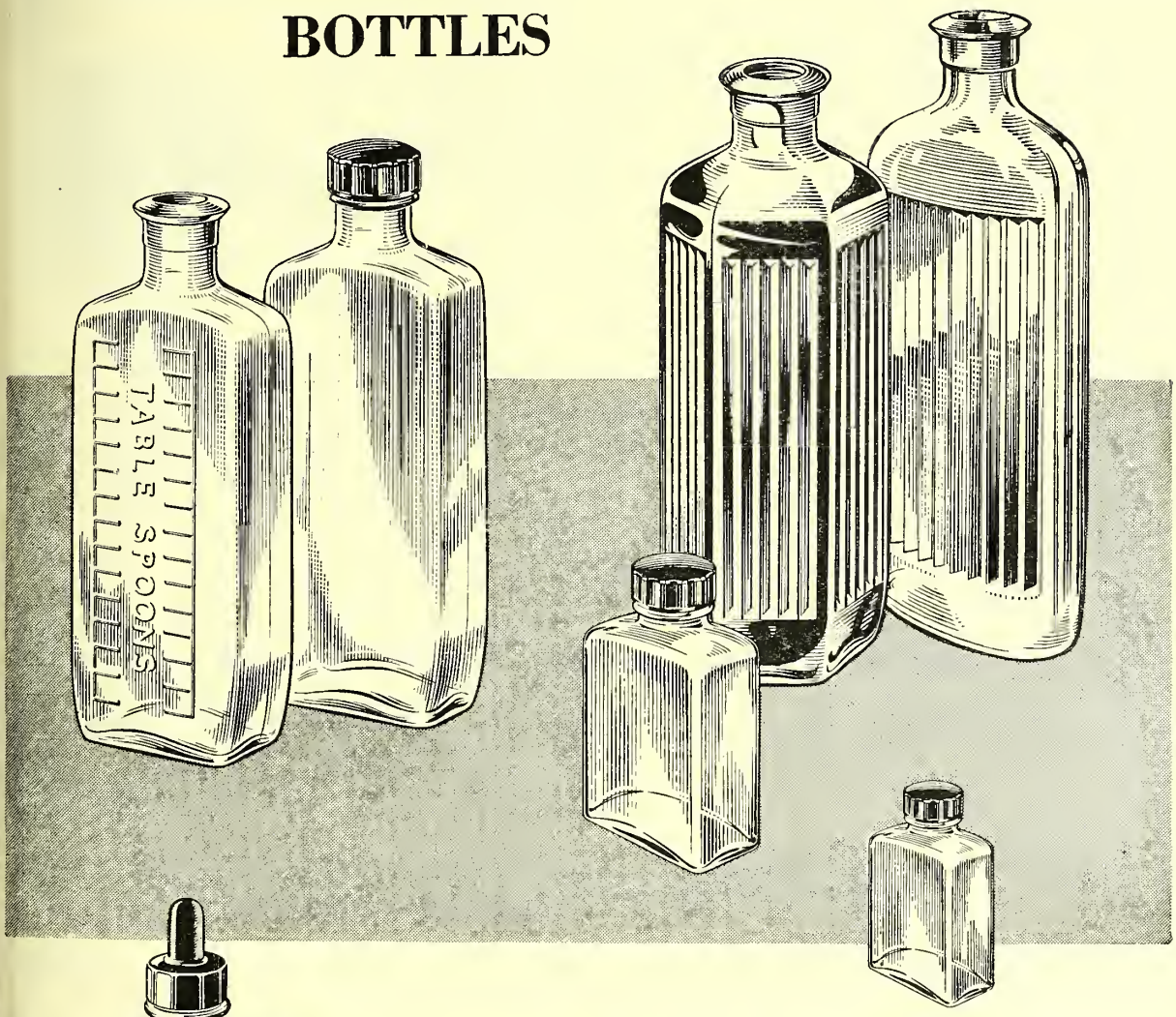
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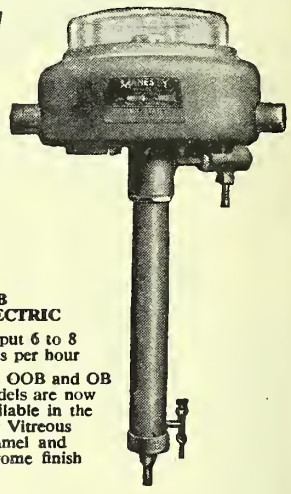
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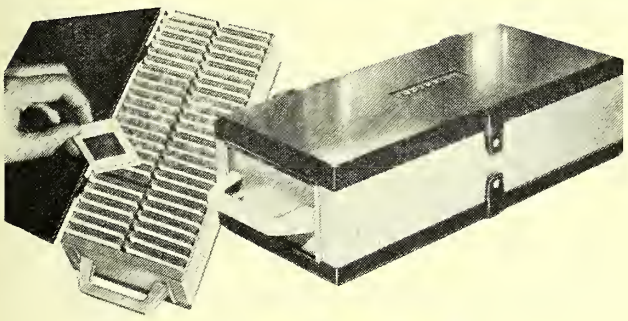
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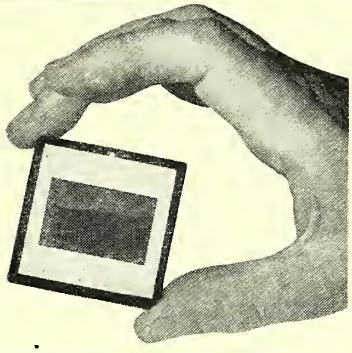
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Apply giving full details and period available to the Group Secretary. Nether Edge Hospital, Sheffield, 11. C 6632

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(Teaching Hospital for Mental and Nervous Disorders)
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Full-time. Annual salary £650-£830 plus £20/£30 London Weighting. Alternatively full- or part-time Pharmacist (hours by arrangement) would be considered. Apply stating experience to Hospital Secretary. C 6666

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Assistant-in-Dispensing

required. Whitley salary. Applications giving full particulars to Secretary. C 6605

HOSPITALS FOR DISEASES OF THE CHEST, LONDON CHEST HOSPITAL, E.2
Locum Pharmacist

required immediately for an indefinite period. Applications to House Governor. C 6642

HIGHBURY HOSPITAL, BULWELL, NOTTINGHAM
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Pharmacist

required from June 22 for six weeks. Salary (locum) £16 16s. per week. Apply in writing to the Secretary. C 6648

HOSPITALS FOR DISEASES OF THE CHEST, LONDON CHEST HOSPITAL, E.2
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Applications are invited for the post of Pharmacist or Senior Pharmacist at the above Hospital. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials, should be addressed to the House Governor, London Chest Hospital, E.2. C 6641

KENT AND CANTERBURY HOSPITAL, CANTERBURY
Locum Pharmacist

required for the Group Pharmaceutical department situated at the above hospital for the period July 1 to August 31, salary by arrangement.
The Chief Pharmacist at the hospital will be pleased to supply candidates with any further information about the post (phone Canterbury 2291). Applications, giving full details, to be sent to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 6646

NAPSBURY (MENTAL) HOSPITAL MANAGEMENT COMMITTEE, Nr. ST. ALBANS, HERTS
Locum Tenens Pharmacist

required at £16 16s. per week. Modern pharmacy. Details to the Group Secretary, with names of two referees in an envelope to be endorsed "Locum Pharmacist." C 6615

NETHER EDGE HOSPITAL, SHEFFIELD, 11
Locum Pharmacist

required for four weeks during the period mid-July to mid-September. Rate of pay by arrangement.
Apply giving full details and period available to the Group Secretary, Sheffield No. 1 Hospital Management Committee, Nether Edge Hospital, Sheffield, 11. C 6631

NEW TOWN CENTRE
CRAWLEY, SUSSEX

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WITH MAISONETTE OVER — ideal for Chemist
Frontage about 18ft. Depth 45ft.
To be Let on lease.
RENT £700 per ann.
Particulars from
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77 Grosvenor Street, London. W.1.
Local enquiries from
CRAWLEY DEVELOPMENT CORPORATION
Estates Dept. 103 High Street, Crawley, Sussex
C4697

MEDICAL WRITING

BAYER PRODUCTS LIMITED require a young pharmacist of either sex with ability to write good English for Medical literary work. Work is varied, interesting and has good prospects. Applications in confidence with specimens of any written matter which will be returned, to Personnel Officer, Bayer Products Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey.
C 6661

Appointments—Continued

KING EDWARD VII HOSPITAL, WINDSOR
Locum Pharmacist
required, June to August inclusive. Salary by arrangement. Applications to Secretary as soon as possible. C 6606

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8
Locum Pharmacist
required immediately. Salary 16 guineas per week. Apply to Hospital Secretary (Telephone: Cli. 6862). C 328

KING EDWARD VII HOSPITAL, WINDSOR
(Category III Hospital)
Pharmacist
required. Whitley salary. Applications stating age, qualifications and experience, with names of three referees to Secretary. C 6647

NORTHERN GROUP HOSPITAL MANAGEMENT COMMITTEE, ROYAL NORTHERN HOSPITAL, HOLLOWAY ROAD, LONDON, N.7
Chief Pharmacist
Applications are invited for the above post. Vacant on or about August 1. The person appointed will carry the pharmaceutical responsibility for certain other hospitals within the Group and will be required to give lectures to the Nursing School, for which the approved fees are payable. Salary (Category 5) within scale £900 to £1,285. Applications giving details of qualifications and experience together with the names of two referees should be sent to the Group Secretary by June 8. C 6629

NORTH WESTERN BRANCH, ROYAL FREE HOSPITAL GROUP
Chief Pharmacist (Category II)
Applications are invited for the post of Chief Pharmacist at the North Western Branch of the Royal Free Hospital, Hampstead, N.W.3. Salary £725 rising to £990 p.a., plus London Weighting and £25 for recognised higher qualification. Applications together with the names of two referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 6608

QUEEN MARY'S HOSPITAL FOR CHILDREN, CARSHALTON, SURREY
Locum Assistant-in-Dispensing
required immediately for indefinite period. Salary according to Whitley Council scales plus London Weighting.
Applications stating age, qualifications and experience with the names and addresses of two referees should be sent to the Group Secretary, Queen Mary's Hospital for Children, Carshalton, Surrey. C 329

PINEWOOD HOSPITAL, NINE MILE RIDE, WOKINGHAM
Locum Chief Pharmacist
required from August 26 to September 14. Salary £16 16s. per week. Resident post if required. Applications to Secretary. C 6549

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Pharmacist
required at the above hospital. Salary scale £580 x £30 (6) x £25 (1) to £785 p.a., plus London Weighting. Whitley Council conditions of service. Applications stating age, experience, qualifications, and the names of two referees to be sent to the Hospital Secretary. C 6627

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS
(384 beds)
Senior Pharmacist
Applications are invited for the post of Senior Pharmacist (Category III) at the above busy general hospital within easy reach of Central London. Whitley Council salary and conditions. Applications, stating age, qualifications and experience to the Chief Pharmacist. C 6652

ST. ALFEGE'S HOSPITAL, GREENWICH, S.E.10
(Category IV)
Senior Pharmacist
Applications are invited for the post of Senior Pharmacist in a well-equipped department at the above hospital, which may be inspected by arrangement with the Chief Pharmacist. Salary £650 x £30 (6)—£830, plus London Weighting. Whitley Council conditions. Applications to Group Secretary, G. & D./H.M.C. at above hospital not later than June 7, 1957. C 6616

ST. AUGUSTINE'S HOSPITAL, CHARTHAM, Nr. CANTERBURY
Assistant-in-Dispensing
(Male or female) required. Previous experience in dispensing desirable. Salary scale £375 to £490 per annum plus £20 for Certificate of Apothecaries or equivalent qualification. (Lower salary applies until 22 years of age.) Resident accommodation for female assistant if required. Apply, giving full particulars, and naming two referees, to the Group Secretary, St. Augustine's Hospital, Chartham, Nr. Canterbury. C 6658

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Locum Pharmacist
required at the above hospital. Rate of pay £16 16s. per week. Also:
Locum Assistant-in-Dispensing
Rate of pay £9 11s. 6d. per week if qualified; £9 3s. 6d. per week unqualified. Applications to be sent to the Hospital Seerctary. C 6628

TOOTING BEC HOSPITAL, LONDON, S.W.17
Locum Pharmacist
required. Salary £15 15s. per week. Apply Physician Superintendent. (Phone: Balham 6655). C 6654

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX
Pharmacist and Assistant-in-Dispensing
required. Whitley salary and conditions applicable. Applications, stating age, qualifications and experience, with names of two referees to Chief Pharmacist. C 6664

SITUATIONS VACANT

RETAIL (HOME)

BRENTWOOD. Managing Pharmacist required for modern and attractive business. The post provides substantial salary structure and good supporting staff. There is attractive and modern accommodation available above this branch. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4703

ARMY & NAVY STORES, LTD.,

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Write or call Staff Manager, 12 Artillery Row, London, S.W.1. C 6657

LONDON. Pharmaceutical Chemist required to manage substantial business in an attractive suburb. The position provides full scope for initiative and advancement. An adequate incentive will be provided along with a substantial basic salary. The successful candidate will be eligible for the Company's superannuation scheme and accommodation can be provided. Apply, stating full details and when available for interview to Box C 4704.

MANAGER required for quiet country business in the south. Good accommodation, rent and rate free. No duties. Box C 4680.

PETERBOROUGH. Pharmacist required in the near future to manage large new modern branch. An attractive self-contained flat is now being completed and will be available at a reasonable rent. Salary to commence, £900 to £1,000 per annum, according to experience. This is a permanent, superannuated post with excellent conditions of employment and prospects. Apply giving full particulars to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 4674

PHARMACIST MANAGER required by good dispensing business. Shop recently modernised, model dispensary. Normal hours; salary £20 per week. Phone Greenwich 1953 or write Secretary, Duncans Dispensing Chemist, 193 Greenwich High Road, London, S.E.10. C 4672

WANTED: Female assistant West-end chemist's shop. Full- or part-time. Half-day Saturday. Holidays respected. Phone stating age, experience and salary required. Ger. 7441. C 6662

WEST MIDLANDS. Pharmacist (either sex) required to manage modern branch pharmacy. Congenial position with commencing salary of £1,000 per annum. No Sunday, holiday or rota duties. For full details apply, giving age and experience, to Jack Powell, Chemist, Old Hill, Staffordshire. C 4700

YORK CO-OPERATIVE CHEMISTS SOCIETY, LTD., require pharmacists, ladies or gentlemen, for permanent progressive positions as branch managers. Good wages and conditions. Apply, Superintendent Chemist, York Co-operative Chemists Society, Ltd., 22 Railway Street, York. C 327

BURROUGHS WELLCOME & CO.

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Applicants should be pharmacists and have a good educational background and a wide pharmaceutical knowledge. Preference for applicants with general experience in a pharmaceutical organisation. Some experience in pharmaceutical promotion, while an advantage, is not essential. The position offers opportunities for advancement and entails liaison with sales, production, development and research. Contributory pension scheme. Applications (by letter only) will be treated in confidence. They should give full details of experience, etc., and be addressed to The General Sales Manager (Home Division), Burroughs Wellcome & Co., The Wellcome Building, Euston Road, N.W.1.

C 6640

OAKFIELD & COMPANY LTD.,

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The Company manufactures a high quality range of bristle hairbrushes and a popular range of brushes in Beechwood and Nylon, including rubber cushion hairbrushes.

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Applications in detail should be sent to the Managing Director, Oakfield & Company, Ltd., Freeman Works, Chesham, Bucks. C 4692

Situations Vacant—Continued

LOCUMS WANTED

ILFORD. Locum tenens pharmacists are required to undertake a tour of duties in the Ilford area. There is a substantial salary and expense structure and varying periods would be acceptable. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4705

SCUNTHORPE. Locum pharmacist required August 26-September 7. Salary and expenses. Good staff employed. Byron Turner, Ltd., 85 Ashby High Street, Scunthorpe. C 4702

WHOLESALE

A VACANCY EXISTS for the post of Medical Representative in an established territory of Northumberland and Durham, in an established company specialising in the sale of ethical preparations to the medical profession. Knowledge of the area and experience in the field of medical propaganda an advantage. Good salary and expenses. Car provided. Pension scheme. Write for interview giving full details to the Manager, Medical Division, Calmic, Limited, Crewe Hall, Crewe, Cheshire. C 6619

IMPERIAL CHEMICAL INDUSTRIES, LTD., invites applications from men with a sound medical or pharmaceutical background, between 25 and 35 years of age, for medical representative work. The successful candidate, after an initial period of training, will be posted to a territory in the Home Counties and will be directly responsible to a pharmaceutical Sales Manager with headquarters in London. Applications with full particulars should be addressed to the Staff Manager, Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Cheshire. C 6660

LADY SALES REPRESENTATIVES wanted for London districts. Should have established connections with better-class chemists and beauty salons. Substantial salary and commission awaits the right applicant. Full details of career to Sales Manager. Box C 6656.

LEADING IMPORTER/EXPORTER/DISTRIBUTOR has opening for young man as sample clerk, previous experience not essential, but interest in chemistry an advantage. Reply Box C 315.

MEDICAL REPRESENTATIVE required for London area. Applicants between 25 and 40 years of age will be considered. A good pharmaceutical background is an important asset. Previous experience as medical representative not essential as full instruction will be given. Please state age and salary required. Box C 326.

PHARMACIST required for control and assay of pharmaceutical and sterile products. Experience necessary. Midlands area. Please state details and salary required. Box C 6644.

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APPLICATIONS are invited for the position of Representative to call on hospitals throughout Wales and the Midlands, promoting the use of Armour Suture materials. The successful candidate will be under 35 years, with hospital or trade experience and a forceful personality appropriate to this highly specialised field of salesmanship. To such a man, or woman, a worthwhile career is assured, with participation in Superannuation and Group Life Insurance Schemes. Remuneration by salary and expenses and a car will be provided. Fullest details immediately to: Sales Manager, The Armour Laboratories, Hampden Park, Eastbourne. C 6643

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Situations Vacant—Continued

REPRESENTATIVE required by London firm dealing in all surgical and hospital requirements. Area to be covered would be London, Greater London and Home Counties. Good salary and all reasonable expenses to suitable applicant. Apply for appointment. Box C 6599.

S.E. LONDON manufacturing chemists specialising in galenicals require experienced process worker. Apply, stating wage required, to Works Manager. Box C 6667.

SALES REPRESENTATIVES wanted for all areas for important manufacturer and importer presently marketing completely new type of electric shaver. Representatives having suitably established connections in London and provinces are invited to apply for these important appointments to Sales Manager. Box C 6655.

S.E. LONDON manufacturing chemists require drug counter hand, male or female. Apply, stating wage required, to Works Manager. Box C 6668.

THE BRITISH DRUG HOUSES LTD. invite applications from Pharmacists for the post of

MEDICAL REPRESENTATIVE

in East Anglia. Applications should be addressed to:—
HAC/JLH, The British Drug Houses, Ltd., Graham Street, London, N.1. C 6639

THERE IS A VACANCY for a young man records and statistical clerk in the buying offices of London Co-operative Chemists, Ltd. This position offers a splendid opportunity for promotion and progress and there are superannuation benefits, canteen facilities and a five-day week. Written application in first instance to Chief Pharmacist, Grange Road, Leyton, E.10. C 4698

WHOLESALE manufacturing chemists require qualified production chemist. Good opportunity for energetic young man; previous experience in manufacturing an advantage, but not essential. Apply Fairbank Kirby Limited, Ropery Street, Grimsby. C 4689

WHOLESALE (OVERSEAS)

PHARMACIST required for senior management post with major retail and wholesale organisation in British Guiana. Good qualifications essential and experience in a large retail group an advantage. Starting salary £1,750. Three-year tour; full passages for family paid both on appointment and on leave. Excellent opportunity for man with enterprise and ability to manage people. Please apply in writing to the Secretary, Campbell Booker Holdings, Ltd., 14/20 King William Street, London, E.C.4. C 6649

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M.A.A.—The Badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

SCOTTISH manufacturer requires agents or distributors with sound connections with chemists in the following areas: Yorkshire, Lancashire/Cheshire, Birmingham, South Wales, London, and the Home Counties. The products are well known and are stocked by leading multiple and retail chemists. Liberal commission basis. Write in confidence giving full particulars, including area covered. Box C 4696.

SITUATIONS WANTED

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LADY DISPENSER, Hall Certificate, requires post in or near E.4 area, well experienced N.H.I. and counter. Free now. Box C 4688.

CHEMIST'S DAUGHTER, experienced dispenser/secretary, Hall, middle-aged, hospital, doctor, high-class pharmacy, available July, London area, south coast, permanency. Box C 4707.

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WHOLESALE

AUSTRALIA. Experienced executive (39) offers services to Australian manufacturers. At present chief buyer for large pharmaceutical group in U.K. World experience of sources. 12 years overseas bulk chemicals sales executive with well-known British company at director level. Personal contacts with European, Middle and Far Eastern markets. Please write Box C 4694.

EXPERIENCED medical representative, university degree, best connections with London doctors and hospitals, car owner, seeks appointment with first-class company. Reply Box C 4693.

PHARMACIST requires post with firm of wholesaler/manufacturing chemists situated in Lincolnshire, S. Yorks, Cambs, or adjacent areas. Box C 4701.

REPRESENTATIVE for a number of years. Well-established connection, packed drugs, sundries. London, S.E. and S.W. Good references. Box C 4690.

REPRESENTATIVE covering South Coast for manufacturing chemist, in position to introduce non-competitive lines. Replies: Ivins, e/o 10 Criss Grove, Chalfont St. Peter, Bucks. C 4658

REPRESENTATIVE with good chemists' connections in London area seeks position with scope. Inside post would be considered. Box C 4699.

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